copy G92-0230 105.0263

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Clayton
ENVIRONMENTAL
CONSULTANTS

April 30, 1992

Mr. Sam Yu
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91755

Clayton Project No. 39314.00
CRWQCB File No. 105.0263

Subject: First Quarter Groundwater Monitoring Results from the Stoody Company Facility, 16425 E. Gale Avenue, Industry, California

Dear Mr. Yu:

Clayton Environmental Consultants Inc., is pleased to present to you on behalf of the Stoody Company, the results of the first quarter groundwater monitoring for 1992, at the Stoody Company Facility in the City of Industry. The five wells were redeveloped on March 16, 1992, eight days before the groundwater was sampled, in an effort to bring down the turbidity levels in the wells. The redevelopment procedures and the field data from the redevelopment are also included in this report.

If you have any questions or require additional information, please contact Mr. David Randell or me, at (714) 229-4806.

Sincerely,

Andre LaMontagne
Geologist

Reviewed by,

David H. Randell, R.G.
Manager, Environmental Engineering
Pacific Operations

cc: Martin Casper, Vice Chairman, Thermadyne Industries
Jaswant Singh, Ph.D., Director, Pacific Operations

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First Quarter Groundwater Monitoring of 1992 at Stoody Company Facility Industry, California

Clayton Project No. 39314.00

April 30, 1992

CONTENTS

1.0 INTRODUCTION

Stoody Company retained Clayton Environmental Consultants, Inc., on December 31, 1991, to redevelop and perform quarterly groundwater monitoring for each of five groundwater monitoring wells during 1992, at the Stoody Company, located at 16425 East Gale Avenue, Industry, California (Appendix A, Figure 1). The work was performed in accordance with the Terms and Conditions outlined in Clayton's Proposal No. 91-SEE-186, dated December 18, 1991.

1.1 OBJECTIVES

Clayton had three objectives for this first quarter of the project: (1) to redevelop the five groundwater monitoring wells, (2) to monitor the level of the groundwater in all of the wells every month of the each quarter of the sampling period, and (3) to monitor the quality of the groundwater in the monitoring wells, through laboratory analysis of samples collected from them, once during the quarter.

1.2 SCOPE OF WORK

Clayton completed the following scope of work to accomplish it's objectives:

- Measured and recorded the depth to groundwater in the wells once a month
- Performed well redevelopment by bailing, surging, and pumping
- Collected and analyzed groundwater samples from the monitoring wells
- Issued a report of the findings

2.0 BACKGROUND

Clayton has performed subsurface investigations and quarterly groundwater monitoring at the Stoody Company facility for the previous 2 years. During that time the laboratory reports from the groundwater analyses (Appendix B) have provided results that do not show consistent trends concerning the condition of the groundwater beneath their facility.

The data has shown one important trend in the past. Laboratory analyses of groundwater samples from Well MW-4, the most upgradient well, located on the eastern property boundary, consistently detected volatile organic compound (VOC) contaminants, but in various concentrations from quarter to quarter. Due to the upgradient location of Well MW-4, it appeared that the reported contaminants were being introduced into the groundwater upgradient of the Stoody facility and that the groundwater that flows under the Stoody facility is in a contaminated condition before moving onto the site.

In addition, the Stoody Company, throughout the last quarter of last year, had reduced their operations at the facility. The Stoody Company stopped their manufacturing operations at the facility in November of 1991.

3.0 MONITORING ACTIVITIES

The following sections present the field procedures, field work, and laboratory analyses used to meet the investigation objectives.

3.1 FIELD PROCEDURES

Clayton followed specific field procedures to complete the field activities. The following subsections describe procedures for the redevelopment of each groundwater monitoring well, the groundwater sampling from each well, and the decontamination of the equipment used in the field.

3.1.1 Redevelopment Procedures

At each groundwater monitoring well a bottom-fill-type steel bailer was used to remove about 30 gallons of groundwater and any sediment present in the bottom of the well.

A surge block was then put into the well. The block was raised and lowered within the screened section of the well in 1.5-foot intervals for 2 minutes per interval.

After bailing and surging, a Grundfos™ downhole-submersible pump was lowered into the well. Groundwater was pumped from the well until the groundwater appeared clear.

3.1.2 Sampling Procedures

Prior to groundwater sampling, at least three well casing volumes of water were removed from the well. Water quality parameters (pH, temperature, and electrical conductivity) were measured and recorded after each casing volume of water had been removed. After removing at least three well casing volumes of water, and after the water quality parameters had stabilized to within plus or minus 10% of the values measured from the previous casing volume, the wells were allowed to settle for at least one hour.

After the wells had settled, four additional sets of water quality parameters were taken. When the parameters had stabilized to within plus or minus 10% of the value of the last readings, water samples for laboratory analyses were collected.

The groundwater samples were collected with a Lexan™ bailer. The groundwater samples were decanted from the bailer with a Teflon™ tap and collected in

appropriate containers with preservatives in accordance with Environmental Protection Agency (EPA) sampling and preservation guidelines (1984, 40 CFR 136). The samples were labeled, wrapped in shock-absorbing materials, and placed on ice in an ice chest for transportation to a laboratory, certified by the State of California, Department of Health Services, for analyses. Standard chain-of-custody procedures were followed.

Water removed from the wells during development and sampling was placed in Class 17-H, 55-gallon drums appropriate for water collection. Disposal of the drums and their contents were the responsibility of the Stoody Company.

3.1.3 Decontamination Procedures

The equipment used for the redevelopment of the wells was steam cleaned in a predetermined area. The water used in the steam cleaning, and the rinsates from the cleaning procedures were contained in Class 17-H, 55-gallon drums for storage and disposal by the Stoody Company.

Clayton hand washed the sampling devices prior to their use in sampling each well. They were washed in an Alconox™ detergent solution, rinsed twice in potable water, and final rinsed in deionized water.

3.2 FIELD WORK

The field work consisted of:

- Monthly measurement of the depth to groundwater in each well
- Redevelopment of each groundwater monitoring well
- Collection of groundwater samples from each groundwater well

3.2.1 Groundwater Measurements

Clayton measured the depth to groundwater in each groundwater monitoring well once a month during the first quarter of 1992. The dates that the depths to groundwater were measured were January 6, February 29, and March 16, 1992.

3.2.2 Well Redevelopment

On March 16, 1992, Clayton and its subcontractor, West Hazmat Drilling Company, redeveloped the groundwater monitoring wells at the Stoody facility. The following occurred at each well:

Clayton removed about 30 gallons of groundwater and any sediment present in the bottom of the well with a bottom-fill stainless-steel bailer.

The well was then surged for 25 minutes with a surge block. A Grundfos™ pump was then lowered into the well and additional water was pumped from the well until the groundwater being pumped appeared clear. The total volume of water removed from each well was between 90 gallons and 140 gallons (Appendix C).

3.2.3 Groundwater Sampling

On March 24, 1992, the groundwater monitoring wells were again purged of groundwater and samples were collected. Fifty-five gallons of groundwater were bailed from each well with an 8-foot long, 4-inch diameter steel bailer. During the bailing, groundwater quality parameters were taken (Appendix C). The wells were then left to recover for 1 hour. After the recovery time, four additional sets of water quality parameters were taken followed by the collection of groundwater samples.

3.3 ANALYTICAL METHODS

Groundwater samples from each of the wells were analyzed for general minerals and by using EPA Methods 180.1 for turbidity, 418.1 for total recoverable petroleum hydrocarbons (TRPH), and 524.2 for volatile organic compounds (VOCs). The laboratory analyses for the collected groundwater samples were performed at the laboratory facilities of Enseco CRL, in Garden Grove, California. The laboratory reports and the chain-of-custody forms are contained in Appendix D.

4.0 MONITORING RESULTS

4.1 FIELD

Due to unusually heavy rains throughout the first quarter of 1992, the level of the groundwater had risen significantly since our previous sampling event. The depth to groundwater was measured and recorded once a month throughout the quarter and the data is presented in Appendix A, Table 2.

4.2 ANALYTICAL

The laboratory testing of the groundwater samples for the first quarter of 1992, and the comparable data from previous years of groundwater monitoring have been summarized in tables found in Appendix A, specifically turbidity, TRPH, and VOCs. The rest (general mineral information) is included in the laboratory data in Appendix D, but is not presented in any other manner.

4.2.1 Monitoring Well MW-1

The laboratory reported a concentration of 0.5 Nepholmetric Turbidity Units (NTUs) in the sample analyzed from Well MW-1 (Appendix A, Table 4). The laboratory also

reported no detection of TRPH at a detection limit of 1 milligram per liter (mg/L) in the sample analyzed from Well MW-1 (Appendix A, Table 5).

The laboratory reported the presence of five VOCs in the sample analyzed from Well MW-1: 1,1-dichloroethene (1,1-DCE), cis 1,2-dichloroethene (1,2 DCE), tetrachloroethene (PCE), trichloroethene (TCE), and trichlorofluoro methane (TCFM) (Appendix A, Table 3). The VOCs are the same as those identified by the laboratory last quarter, four of the VOC concentrations were less this quarter than last, and one was greater. The concentrations of 1,1 DCE, PCE, and TCE exceeded the maximum contaminant level (MCL) established by the EPA which is used as a clean-up guidance level by the California Department of Health Services for drinking water.

4.2.2 Monitoring Well MW-2

The laboratory reported a concentration of 0.2 NTUs in the sample analyzed from Well MW-2 (Appendix A, Table 4). The laboratory also reported no detection of TRPH at a detection limit of 1 mg/L in the sample analyzed from Well MW-2 (Appendix A, Table 5).

The laboratory reported the presence of four VOCs in the sample analyzed from Well MW-2, one less than last quarter. The VOCs 1,1-DCE, PCE, 1,1,1-trichloroethane (1,1,1-TCE), and TCE identified by the laboratory both this quarter and last, but cis 1,2-dichloroethene was not present this quarter (Appendix A, Table 3). Two of the VOC concentrations were less this quarter than last, and two were greater. The concentrations of 1,1-DCE, PCE, and TCE all exceeded the established MCL for drinking water.

4.2.3 Monitoring Well MW-3

The laboratory reported a concentration of 0.2 NTUs in the sample analyzed from Well MW-3 (Appendix A, Table 4). The laboratory also reported no detection of TRPH at a detection limit of 1 mg/L in the sample analyzed from Well MW-3 (Appendix A, Table 5).

The laboratory reported the presence of nine VOCs: carbon tetrachloride (CPC), chloroform, 1,2-dichloroethane (1,2-DCA), 1,1-DCE, 1,2-DCE, methylene chloride, PCE, 1,1,1-TCE, and TCE (Appendix A, Table 3) in the sample analyzed from Well MW-3, which was one more than last quarter. Benzene was not detected this quarter, however, both cis 1,2 dichloroethene and methylene chloride were. Methylene chloride is an analyte associated with the laboratory testing procedures and its presence is probably due to contamination in the laboratory. The concentrations of CPC, 1,2-DCA, 1,1-DCE, PCE, and TCE all exceeded the MCL for drinking water.

Of the VOCs detected in the sample from Well MW-3, three were reported in the same concentrations as last quarter, three were less this quarter than last, and one was greater this quarter than last.

4.2.4 Monitoring Well MW-4

The laboratory reported a concentration of 1.0 NTUs in the sample tested from Well MW-4 (Appendix A, Table 4). The laboratory also reported no detection of TRPH at a detection limit of 1 mg/L in the sample analyzed from Well MW-4 (Appendix A, Table 5).

The laboratory reported the presence of five VOCs: 1,1-DCE, 1,2-DCE, PCE, TCE and TCFM in the sample analyzed from Well MW-4 (Appendix A, Table 3). The concentrations of 1,1-DCE, PCE, and TCE exceeded the MCL for drinking water. The VOCs are the same as those identified by the laboratory last quarter, four of the VOC concentrations were less this quarter than last, and one was greater.

4.2.5 Monitoring Well MW-5

The laboratory reported a concentration of 2.8 NTUs in the sample analyzed from Well MW-5 (Appendix A, Table 4). The laboratory also reported no detection of TRPH at a detection limit of 1 mg/L in the sample analyzed from MW-5 (Appendix A, Table 5).

The laboratory reported the presence of six VOCs in the sample analyzed from Well MW-5: 1,1-DCE; 1,2-DCE; PCE; 1,1,1-TCE; TCE and TCFM (Appendix A, Table 3). The concentrations of 1,1-DCE, PCE, and TCE exceeded the MCL for drinking water. The VOCs are the same as those identified by the laboratory last quarter, with the addition of 1,1,1 trichloroethane. Of the five compounds identified last quarter, all are less in concentration this quarter.

5.0 CONCLUSIONS

5.1 GENERAL MINERALS

The laboratory test results for several minerals report a fairly narrow range in reported values in the following categories:

Mineral	Laboratory Result	MCL
Sulfate	242-288 mg/L	---
$CaC0_3$	355-378 mg/L	---
Hardness (total)	539-575 mg/L	500
Chloride	69.9-75.9 mg/L	250
Total dissolved solids	909-956 mg/L	500
pH	7.0-7.5	7.0 (neutral)

5.2 TURBIDITY

The laboratory test results for turbidity indicate that the redevelopment of the five groundwater monitoring wells was successful. Because the turbidity concentrations were so small any suspended particles in the samples should have had no major influence on the other laboratory test results for general minerals TRPH and VOC concentrations.

5.3 TOTAL RECOVERABLE HYDROCARBONS

The laboratory test results for TRPH for both this quarter and last, indicated that there were no detectable concentration of TRPH in the groundwater beneath the Stoody facility.

5.4 VOLATILE ORGANIC COMPOUNDS

Clayton has performed quarterly groundwater monitoring at the Stoody Company facility for 2 years. During that time laboratory results from groundwater analyses have provided no conclusive evidence that the Stoody Company has contributed to the contaminated condition of the groundwater beneath their facility.

The reported data from the laboratory analyses has provided little in the way of trends or consistency. However, the data has shown one important set of results. The samples from MW-4, the most upgradient well and located on the eastern property boundary, consistently contained VOC contaminants in them but in various concentrations from quarter to quarter. Due to the upgradient location of MW-4, it is improbable that the reported contaminants are from the Stoody facility operations.

6.0 RECOMMENDATIONS

Clayton recommends that the groundwater monitoring at the Stoody facility continue through 1992. Additionally, Clayton recommends addressing the presence or absence of an upgradient source of contamination, by reviewing, compiling and analyzing data from existing upgradient monitoring wells available in the files of the CRWQCB and the Los Angeles County Department of Public Works. If data is found to further support that the Stoody Company is merely in the downgradient position of a known, or suspected, groundwater contamination contributor, Clayton recommends groundwater monitoring be discontinued at the end of 1992.

7.0 SCHEDULE FOR NEXT GROUNDWATER MONITORING EVENT

The next groundwater monitoring will occur in April 1992. This monitoring event will be just to measure the depth to groundwater in each well, and will occur monthly throughout 1992. The next sampling and sample analysis of the groundwater will

occur in June of 1992. A report of that sampling and the laboratory test results will be sent to the CRWQCB by July 1, 1992.

8.0 LIMITATIONS

The information and opinions rendered in this report are exclusively for use by the Stoody Company and Thermadyne Industries. Clayton Environmental Consultants, Inc. will not distribute this report without their consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

This report submitted by:

Andre LaMontagne
Geologist

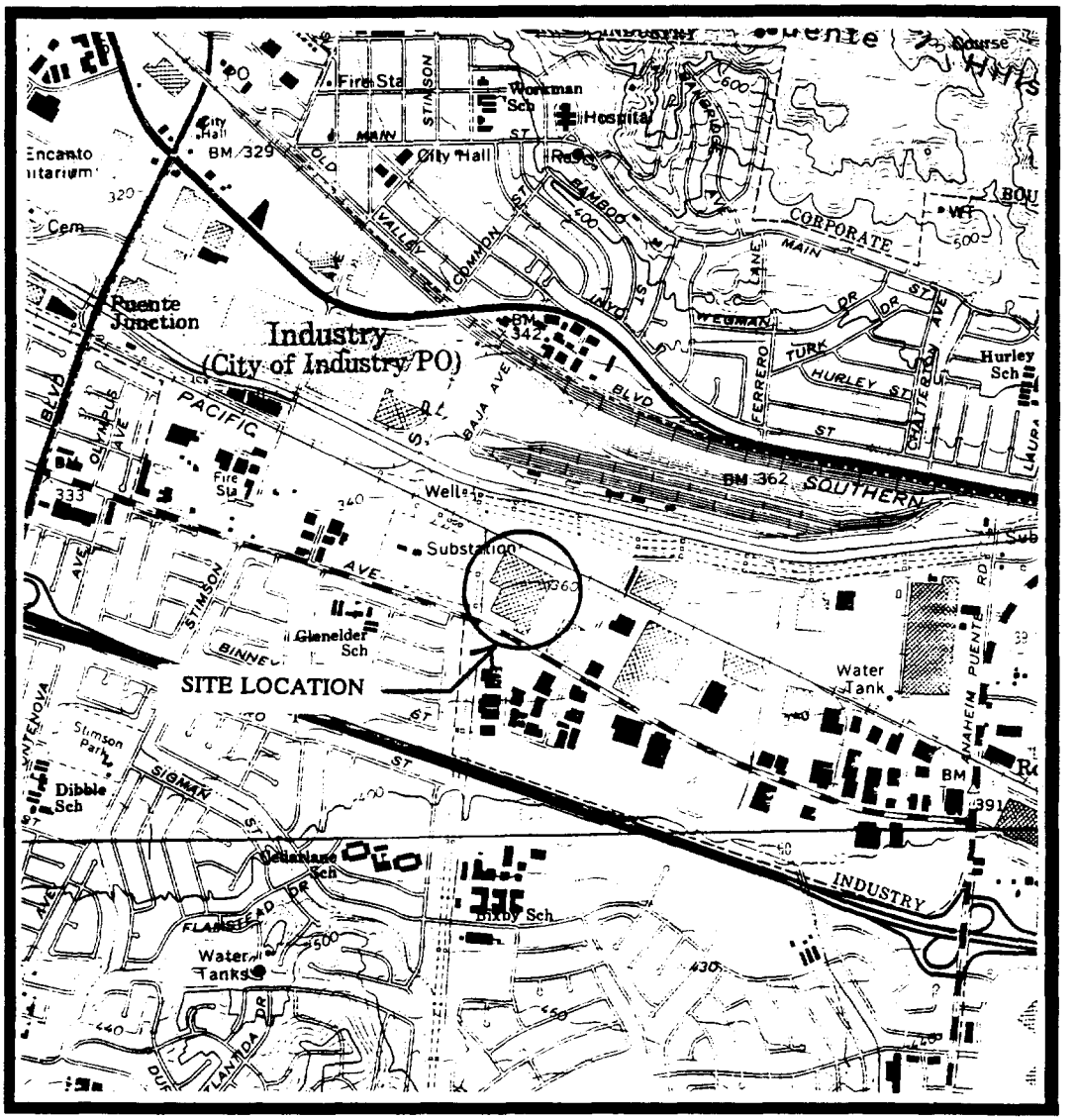
This report reviewed by:

David H. Randell
Registered Geologist, No. 3977, exp. 6/92
Manager, Environmental Engineering
Pacific Operations

April 30, 1992

APPENDIX A

FIGURES AND TABLES

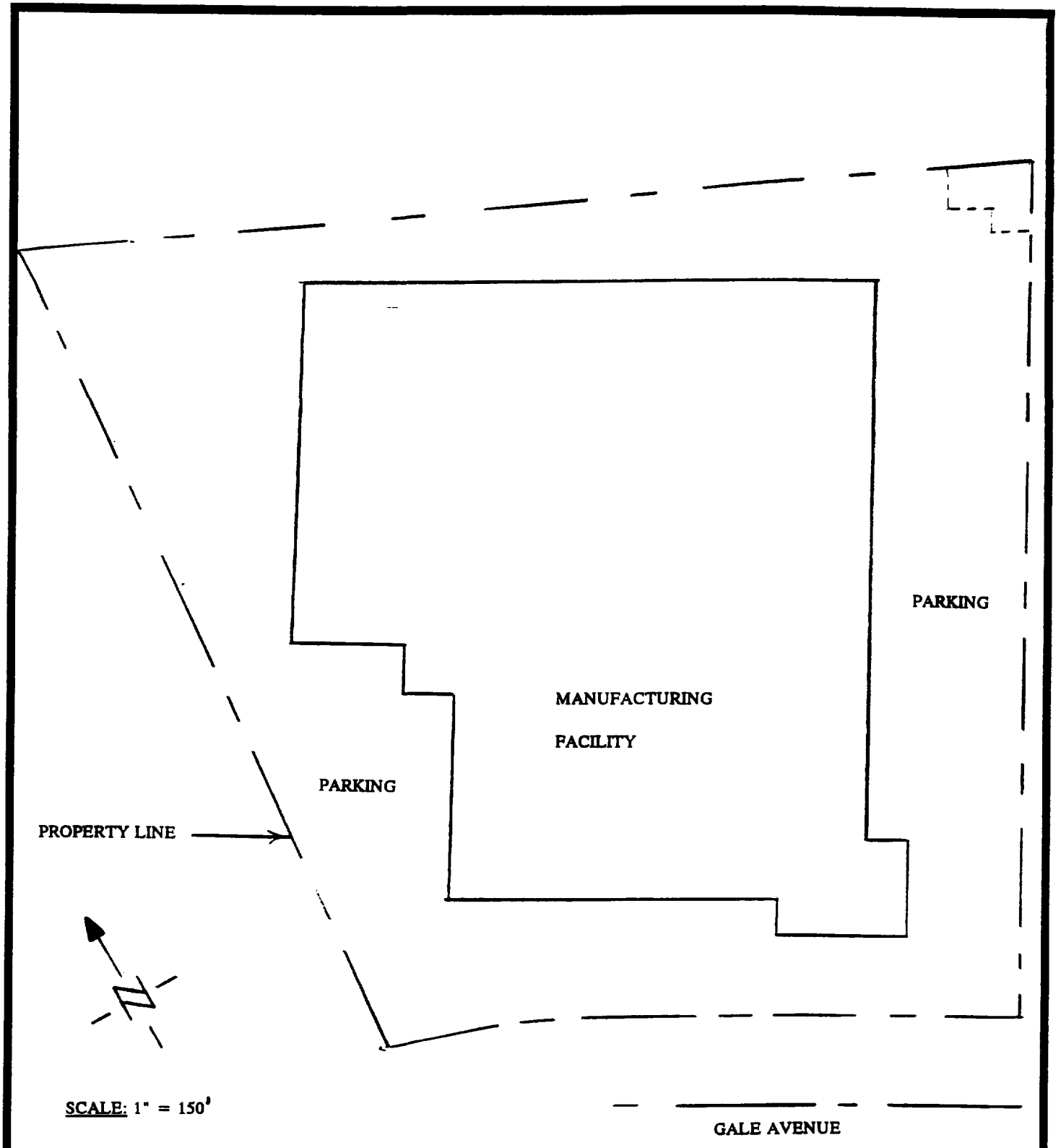


BASEMAP FROM USGS, 1966, USGS BALDWIN PARK AND LA HABRA CALIFORNIA QUADRANGLES, 7.5 MINUTE SERIES (TOPOGRAPHIC), PHOTOREVISED 1981

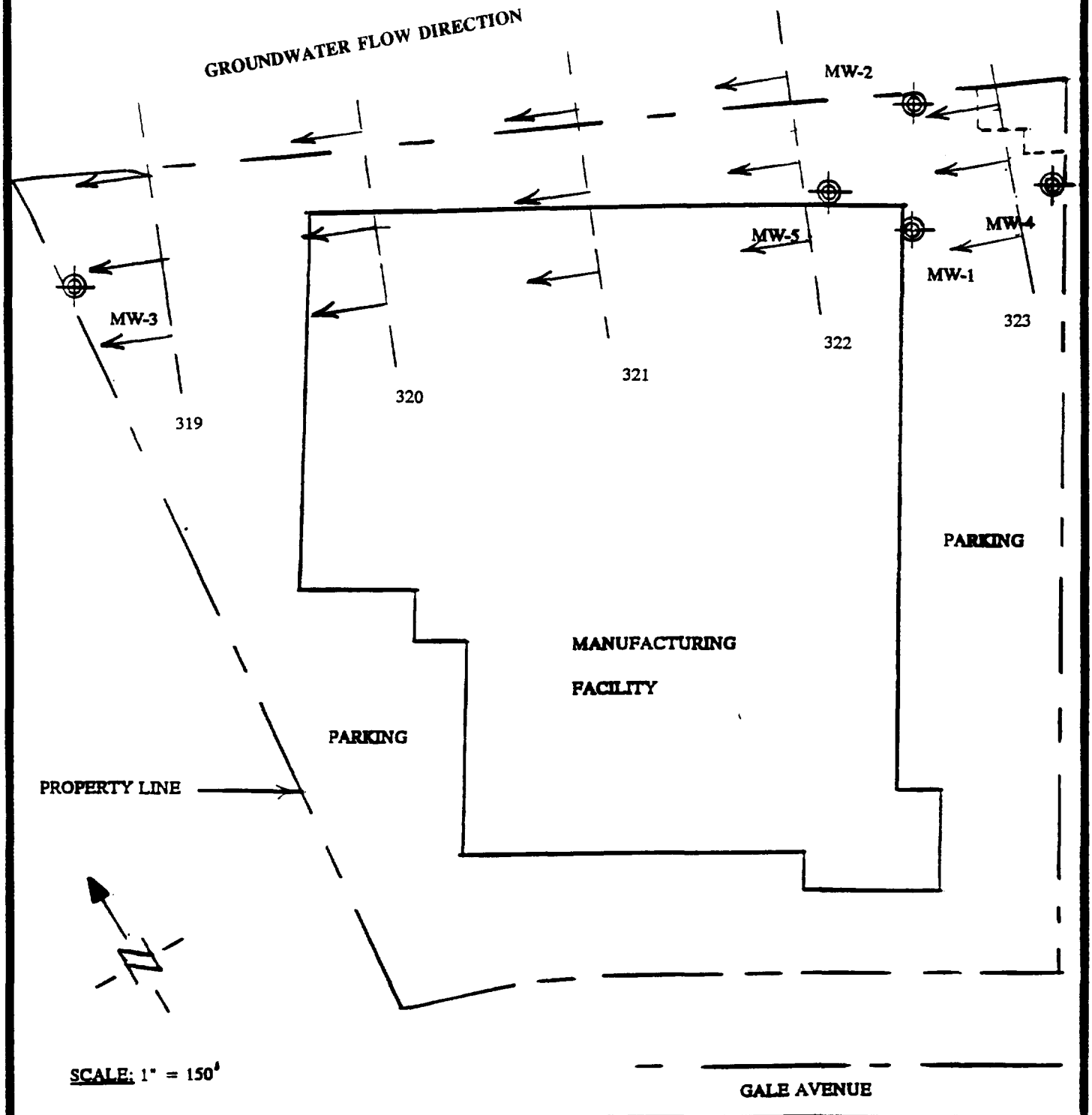
N

SCALE: 1" = 24,000'

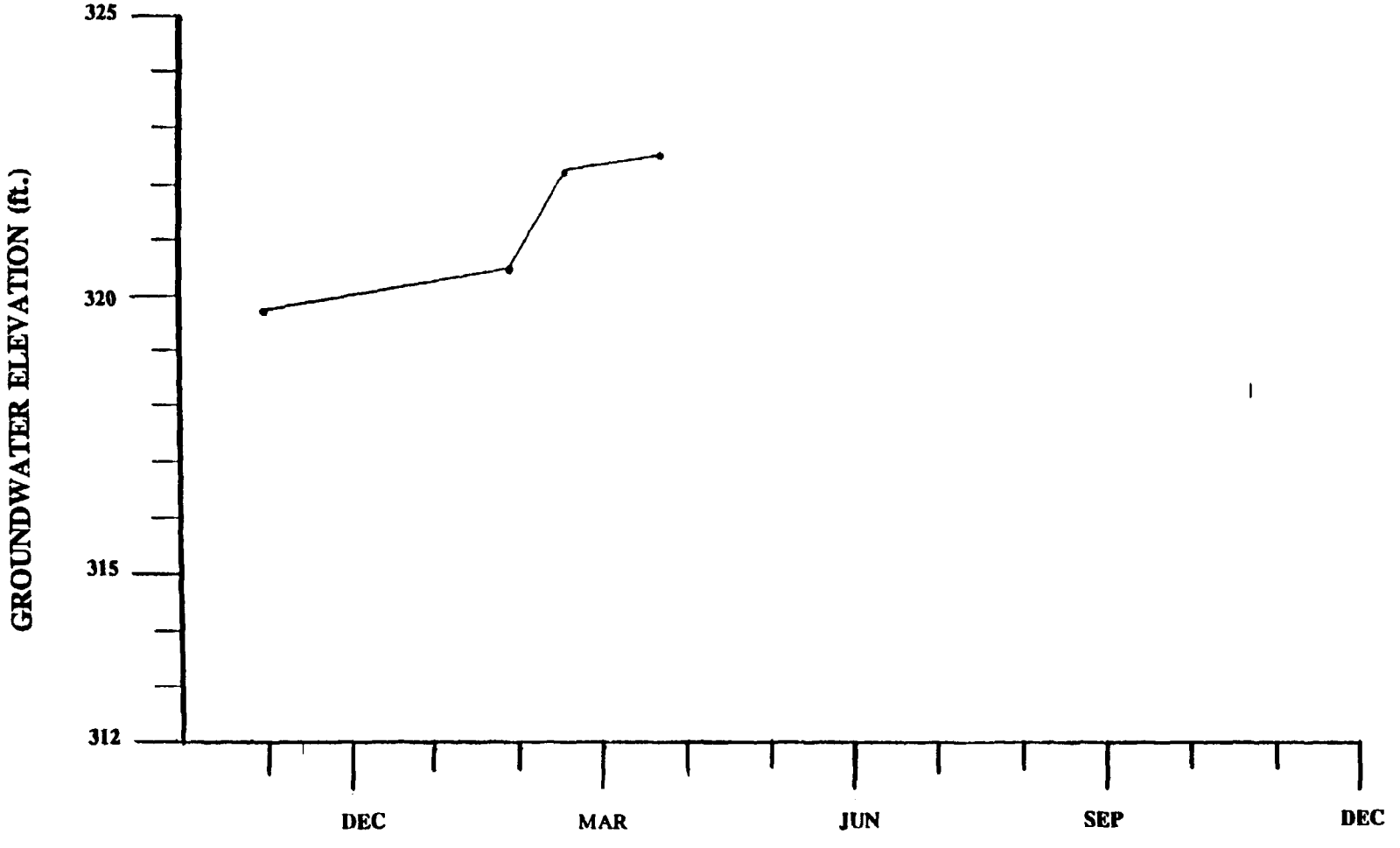
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
SITE LOCATION AND TOPOGRAPHY	1
The Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00
	4/92



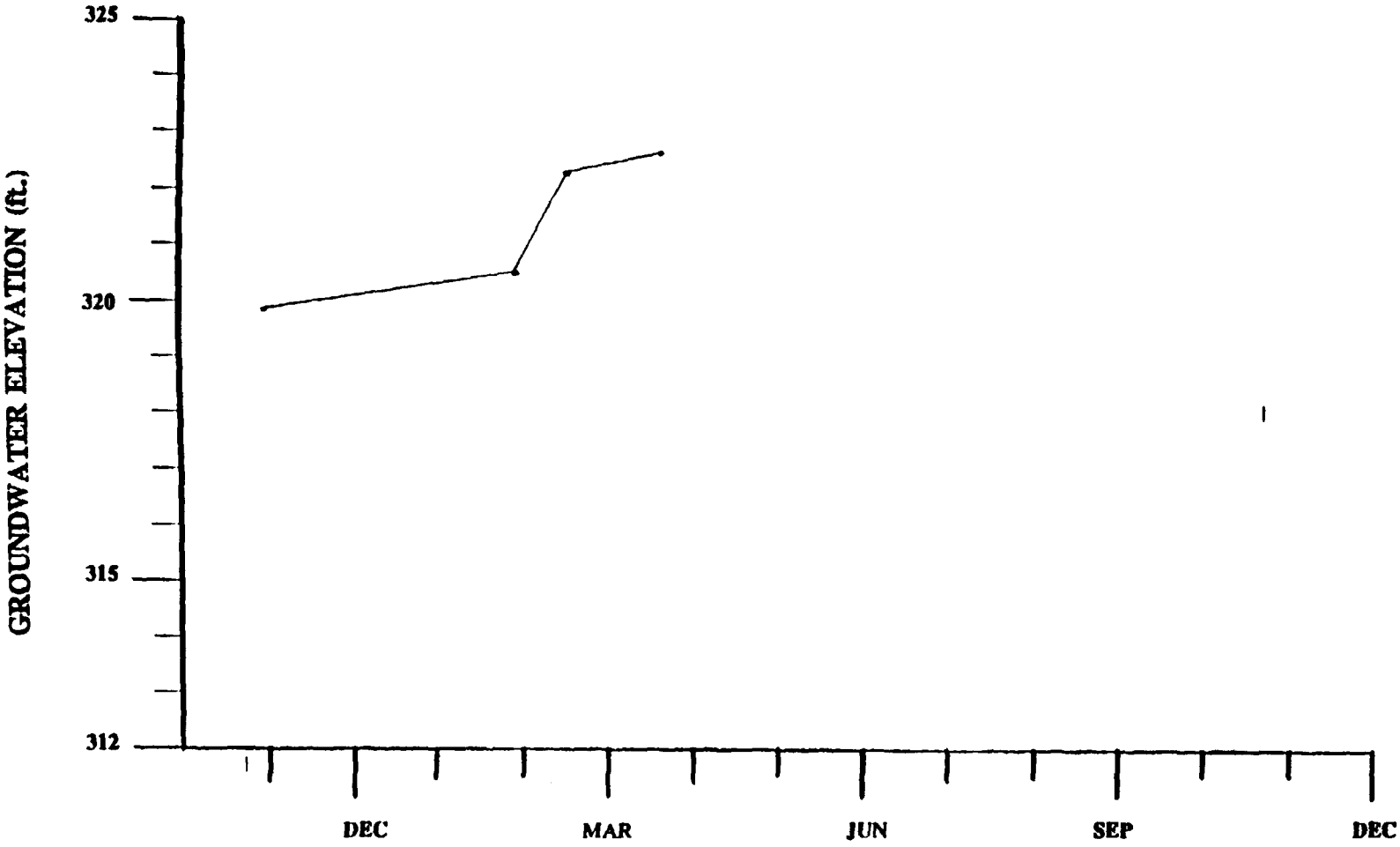
CLAYTON ENVIRONMENTAL CONSULTANTS,INC.	FIGURE
SITE PLAN	2
Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00
	4/92



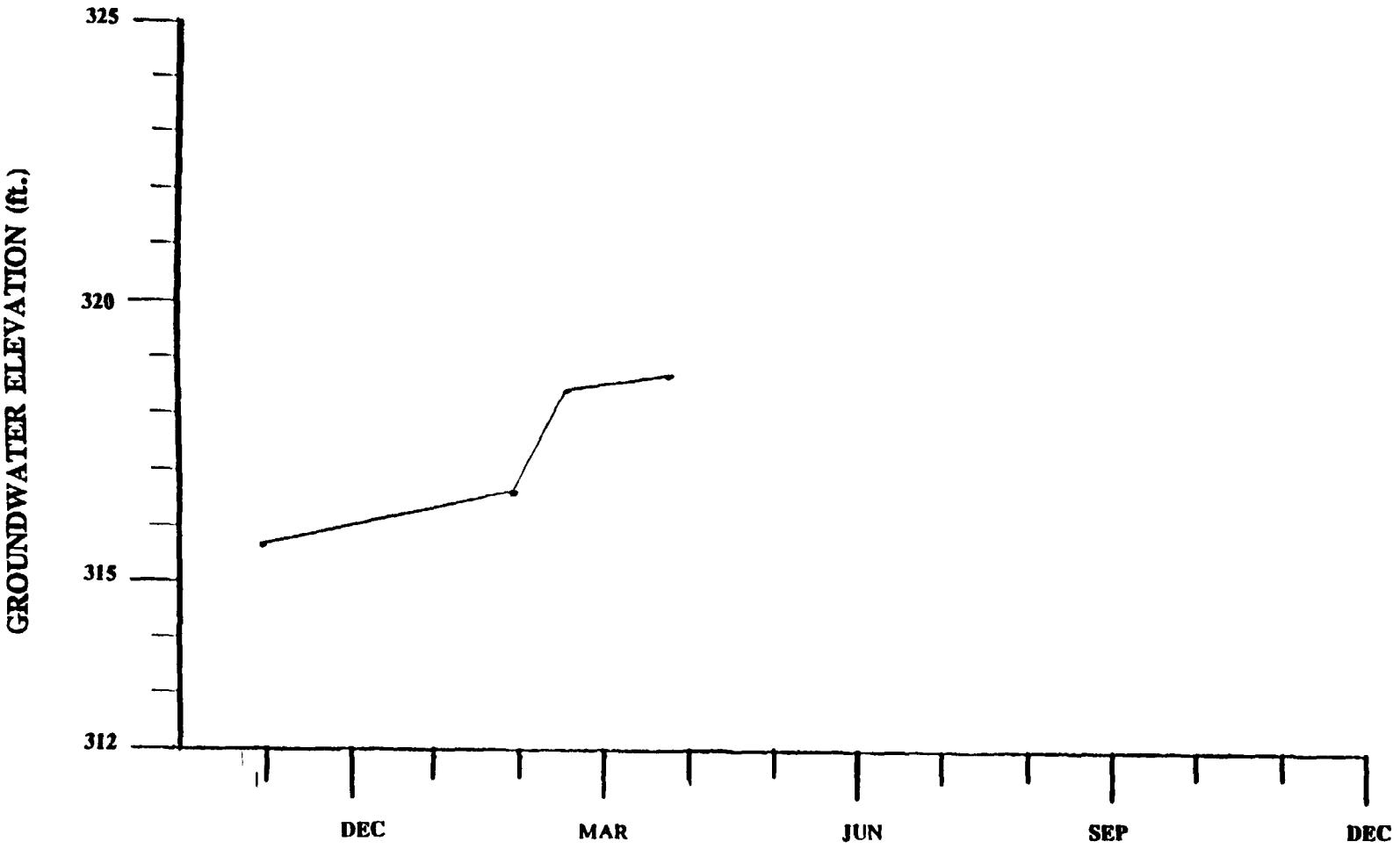
CLAYTON ENVIRONMENTAL CONSULTANTS.INC.	FIGURE
GROUNDWATER FLOW DIRECTION	3
Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00
	4/92



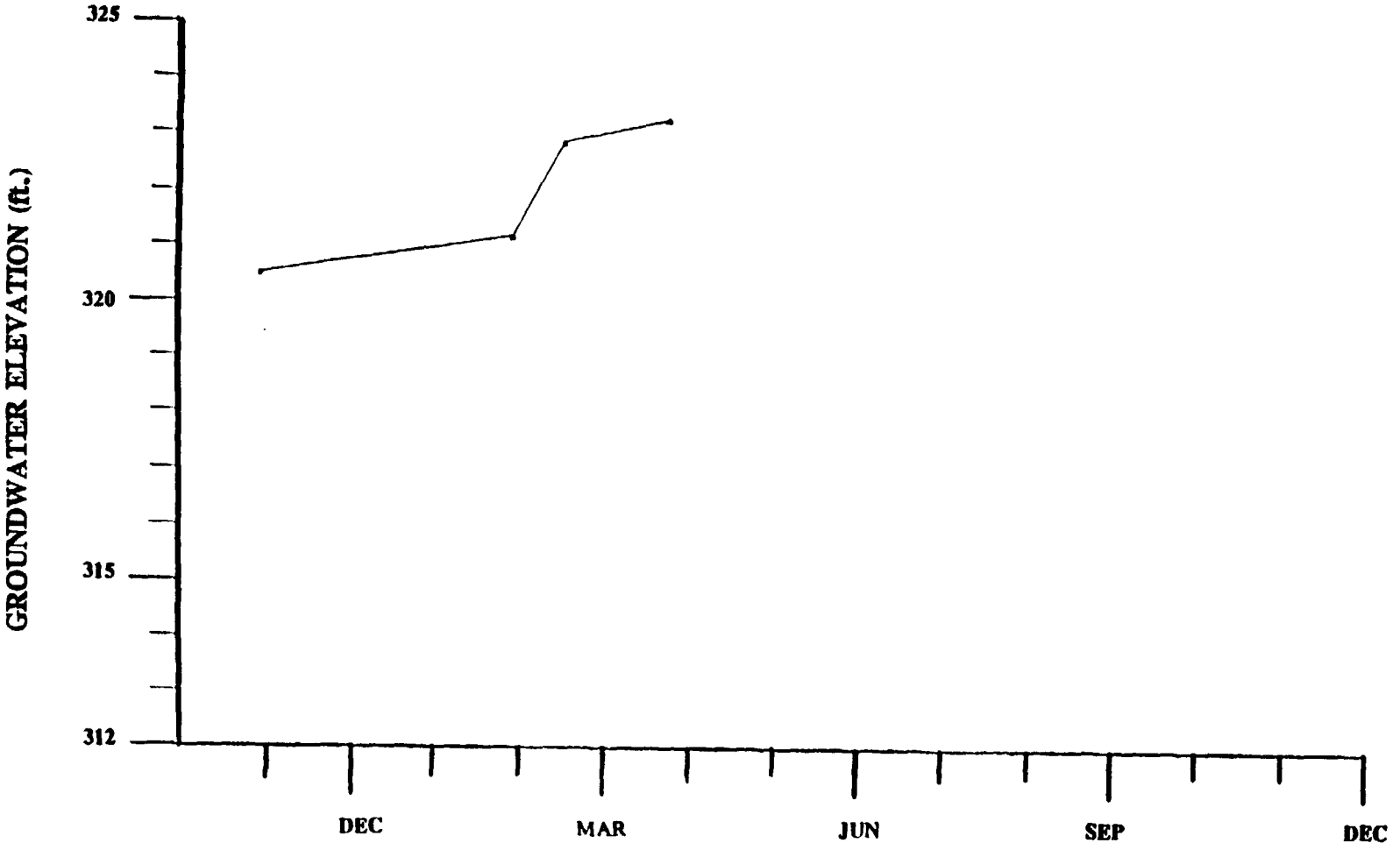
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
MW-1 GROUNDWATER ELEVATION	4
Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00
	4/92



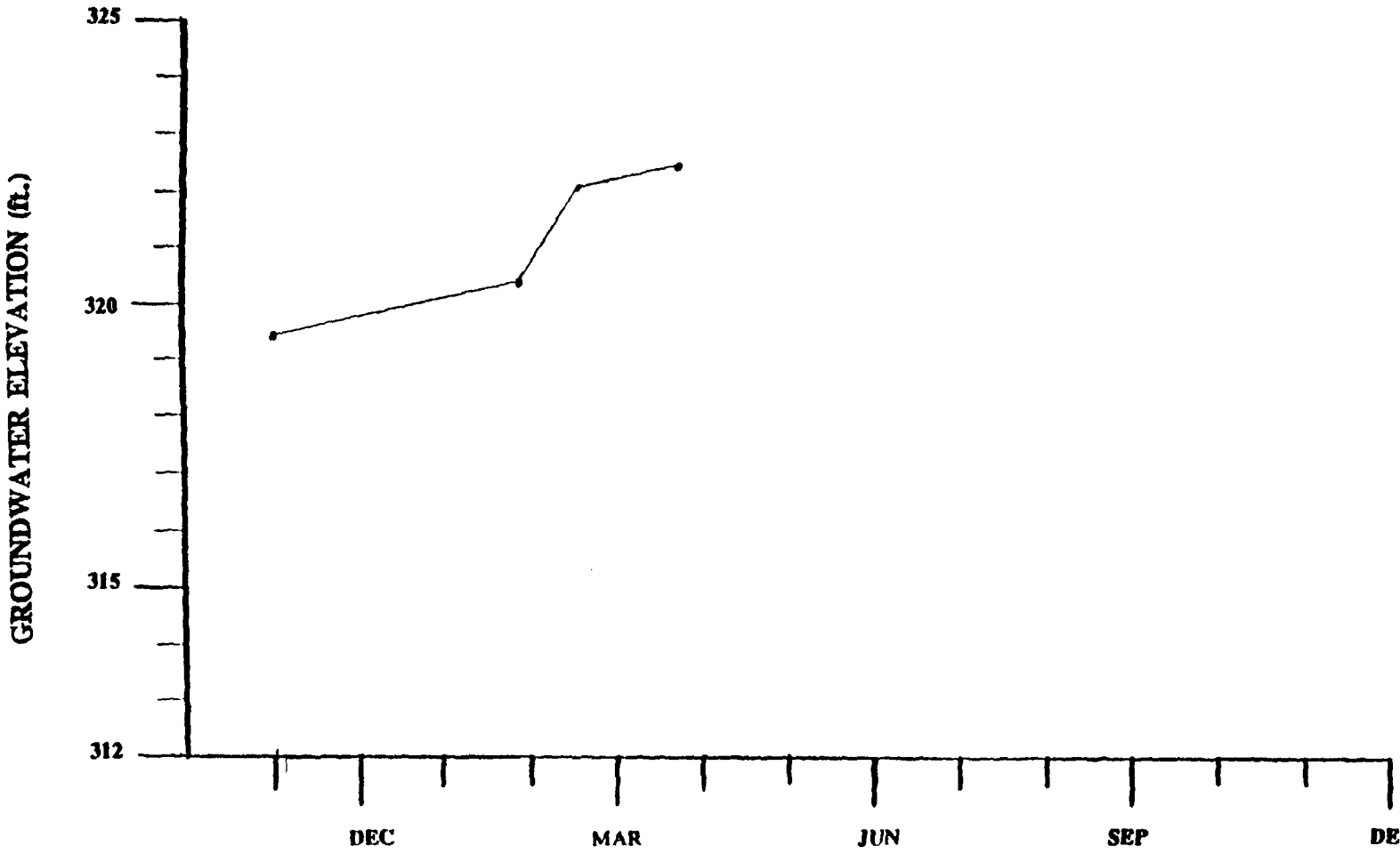
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
MW-2 GROUNDWATER ELEVATION	5
Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00
	4/92



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
MW-3 GROUNDWATER ELEVATION	6
Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00
	4/92



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
MW-4 GROUNDWATER ELEVATION	7
Stoody Company 16425 E. Gale Avenue Industry, CA Clayton Project No. 39314.00	4/92



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
MW-5 GROUNDWATER ELEVATION	8
Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00
	4/92

Table 1
Groundwater Monitoring Well Data
at
Stoody Company
City of Industry, California
Clayton Project No. 39314.00
Sampling Date: March 24, 1992

Elevations (feet)					
Monitoring Well	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**
California Coordinates Northerly	4 115 352.91	4 115 446.16	4 115 618.47	4 115 317.93	4 115 437.54
California Coordinates Easterly	4 304 877.74	4 305 930.76	4 304 433.56	4 305 006.96	4 304 813.76
Elevation at top of well casing (MSL)	352.18	351.12	349.34	353.55	351.64
Total depth of well after construction	44.96	45.08	44.96	48.83	50.42
Date of measurement	3/24/92	3/24/92	3/24/92	3/24/92	3/24/92
Depth to water from top of casing	29.72	28.54	30.76	30.36	29.28
Elevation of water (MSL)	322.46	322.59	318.59	323.19	322.36

Table 2
Summary Table of Absolute Groundwater Elevations
First Quarter; 1992
at
Stoody Company
City of Industry, California
Clayton Project No. 39314.00

Measurement Date	MW-1 (ft.)	MW-2 (ft.)	MW-3 (ft.)	MW-4 (ft.)	MW-5 (ft.)
Nov 91	319.72	319.83	315.72	320.51	319.47
Jan 29, 1992	320.42	320.47	316.59	321.14	320.30
Feb 16, 1992	322.12	322.23	318.33	322.87	322.03
Mar 23, 1992	322.46	322.58	318.58	323.19	322.36

Table 3
Summary Table of Results for EPA Method 524.2 (Concentrations in μg/L)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 39314.00
Sampling Date: March 24, 1992

Monitoring Well No.	Carbon tetra-chloride	Chloro-form	1,2-Dichloro-ethane	1,1-Dichloro-ethene	Cis 1,2-Dichloro-ethene	Trans 1,2-Dichloro ethene	Methylene Chloride	Tetra-chloro-ethene	1,1,1-Trichloro-ethane	Trichloro-ethene	Trichloro-fluoro-methane	Benzene
MW-1	ND	ND	ND	21 +	3.7	ND	ND	200 +	ND	50 +	2.6	ND
MW-2	ND	ND	ND	12 +	ND	ND	ND	210 +	3.5	31 +	ND	ND
MW-3	1.5 +	1.2	0.54 +	54 +	0.51	ND	0.57	73 +	5.9	96 +	ND	ND
MW-4	ND	ND	ND	15 +	3.6	ND	ND	160 +	ND	41 +	2.7	ND
MW-5	ND	ND	ND	7.7 +	2.1	ND	ND	98 +	1.1	23 +	1.0	ND
DECON	ND	ND	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND
DHS DWAL or MCL for Corresp. Compounds	*0.5	*100	*0.5	*6.0	6.0	NA	40	5.0	*200	*5.0	150	1.0
LOD for Corresp. Compounds	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Method Blank	ND	ND	ND	ND	ND	ND	0.84	ND	ND	ND	ND	ND

ND: Not detected at or above limit of detection
μg/L: Micrograms per liter (generally equivalent to parts per billion)
NA: Information not available
DHS: State of California Department of Health Services
DWAL: Drinking water action level
*MCL: Maximum contaminant level
LOD: Limit of detection
+: Reported concentration is above DWAL and/or MCL

Table 4
Summary Table of Results for EPA Method 180.1
for Turbidity
at
Stoody Company
City of Industry, California
Clayton Project No. 39314.00
Sampling Date: March 24, 1992

Sample Identification	Turbidity (N.T.U.)*
MW-1	0.5
MW-2	0.2
MW-3	0.2
MW-4	1.0
MW-5	2.8

Limit of detection: 0.1 N.T.U.
*N.T.U.: Nephelometric Turbidity Units

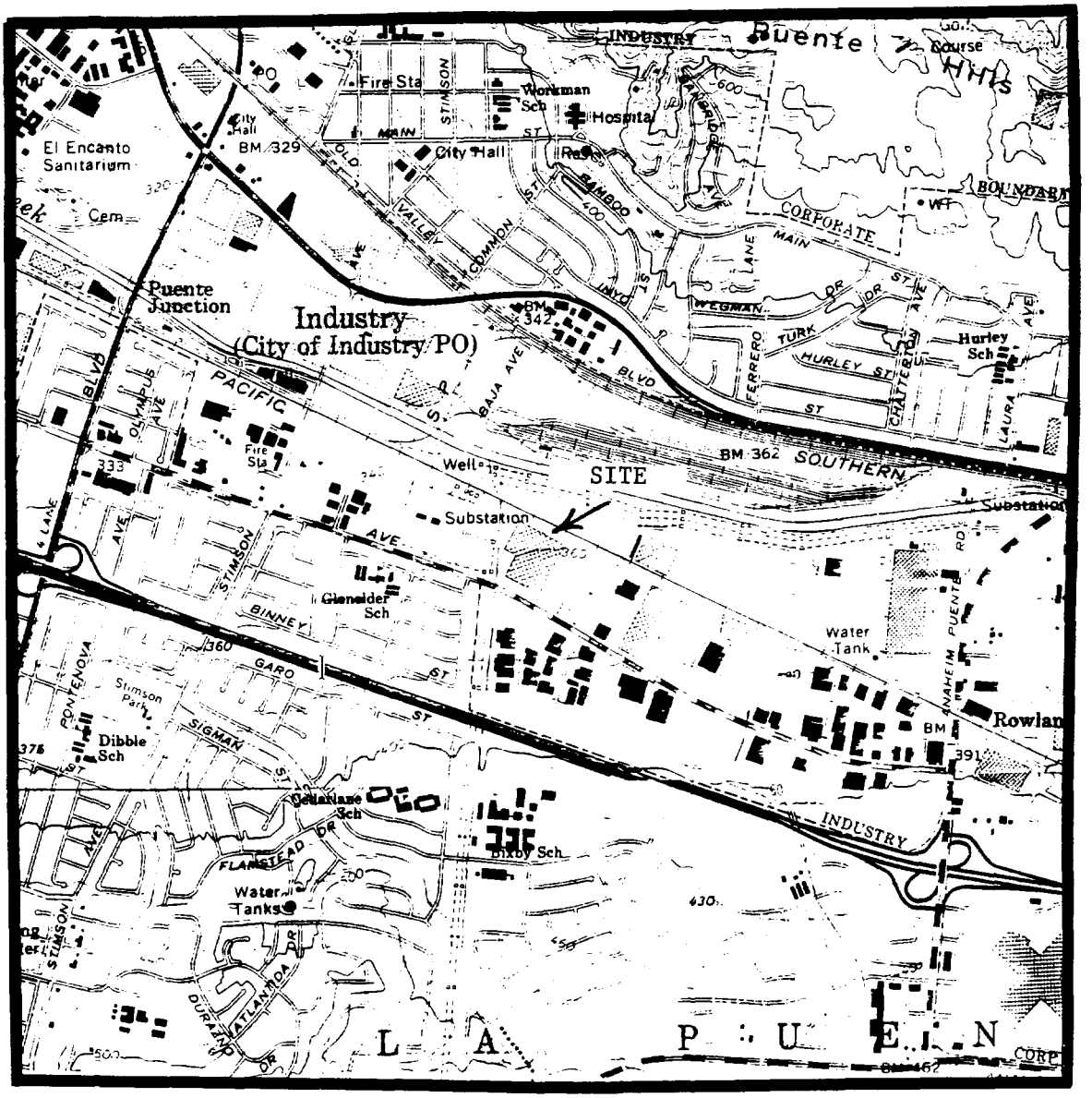
Table 5
Summary Table of Results for EPA Method 418.1 for
Total Recoverable Petroleum Hydrocarbons (Concentrations in mg/L)
at
Stoody Company
City of Industry, California
Clayton Project No. 39314.00
Sampling Date: March 24, 1992

Sample Identification Number	Total Recoverable Petroleum Hydrocarbons
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND

Limit of detection: 1.0
mg/L: Milligrams per liter (generally equivalent to parts per million)

APPENDIX B

HISTORIC FIGURES AND TABLES



BASEMAP TAKEN FROM 1966 USGS BALDWIN PARK, CALIFORNIA QUADRANGLE, 7.5 MINUTE SERIES (TOPOGRAPHIC), PHOTOREVISED 1981.

QUADRANGLE LOCATION

SCALE 1:24000

1 0 1 MILE

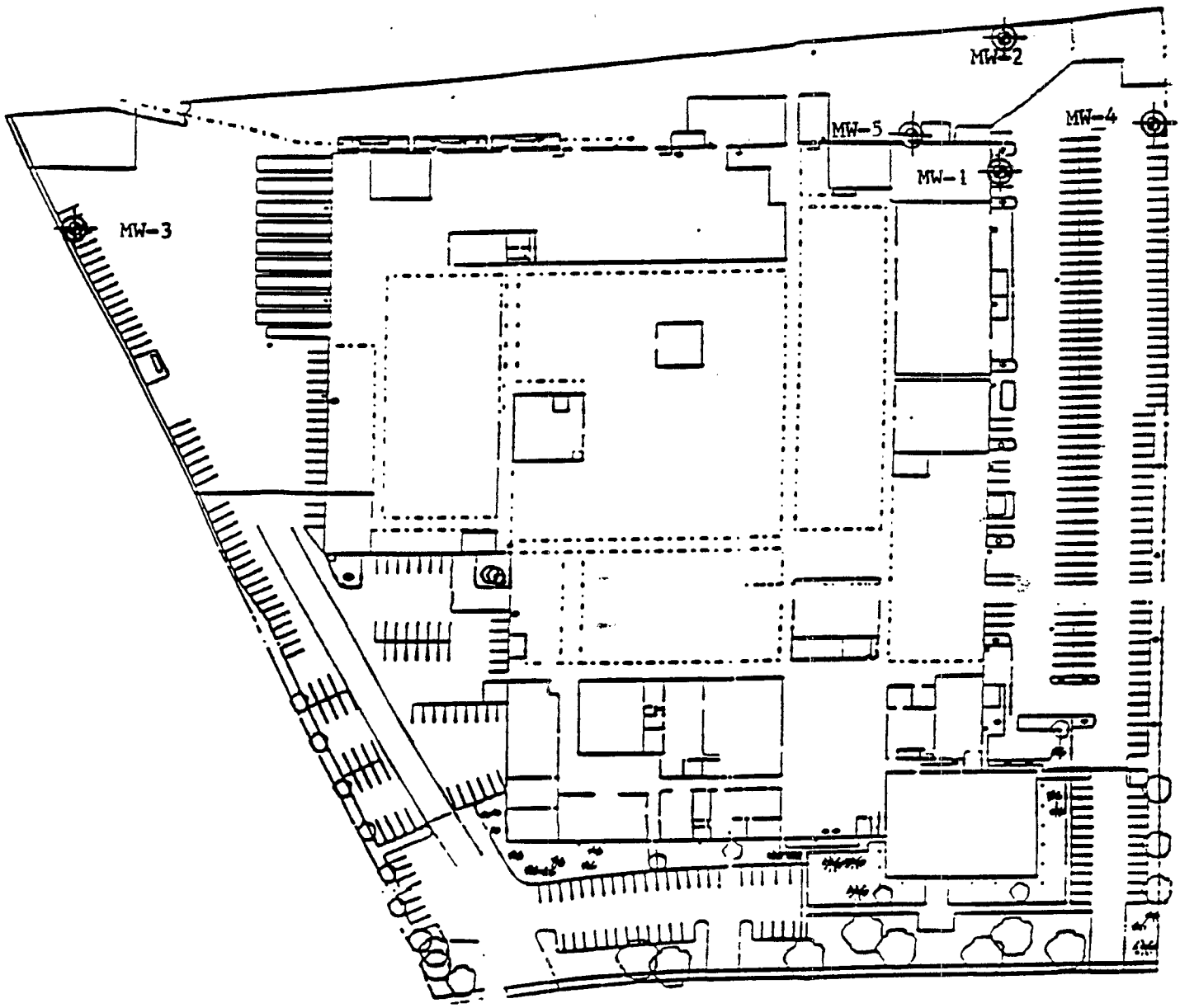
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET

NORTH

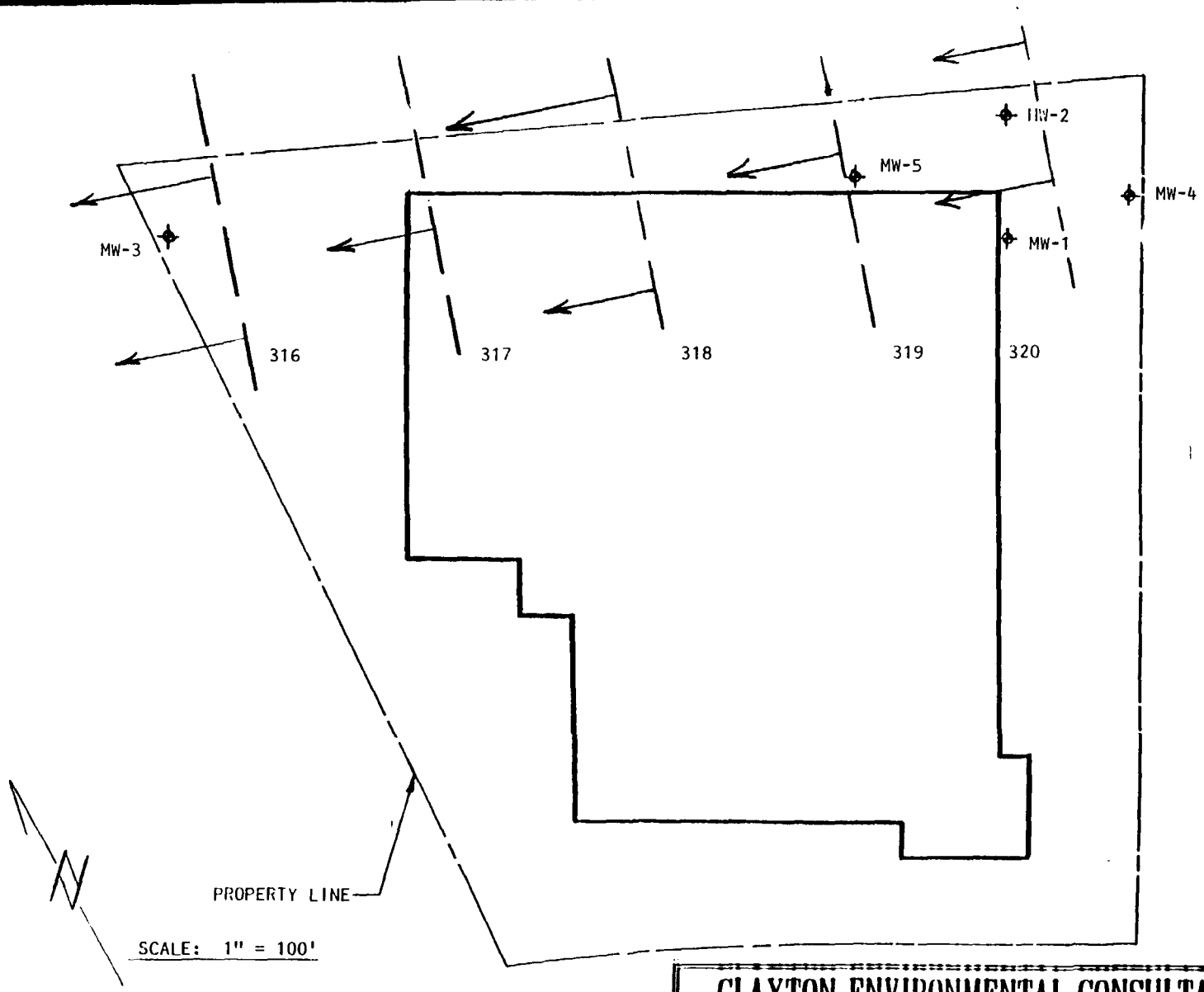
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
GENERAL SITE LOCATION	
STOODY COMPANY 16425 E. GALE AVENUE INDUSTRY, CALIFORNIA	1
CLAYTON PROJECT NO. 33043.00	11/91



SCALE: 1 INCH = 150 FEET

NORTH

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
GENERAL SITE PLAN	
STOODY COMPANY	2
16425 E. GALE AVENUE INDUSTRY, CALIFORNIA	CLAYTON PROJECT NO. 33043.00
	11/91



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
GROUNDWATER GRADIENT	3
THE STOODY COMPANY 16425 GALE AVENUE CITY OF INDUSTRY, CA CLAYTON PROJECT NO. 33043.00	11/91

Table 1
Groundwater Monitoring Well Data
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: November 1, 1991

Elevations (feet)					
Monitoring Well	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**
California Coordinates Northerly	4 115 352.91	4 115 446.16	4 115 618.47	4 115 317.93	4 115 437.54
California Coordinates Easterly	4 304 877.74	4 305 930.76	4 304 433.56	4 305 006.96	4 304 813.76
Elevation at top of well casing (MSL)	352.18	351.12	349.34	353.55	351.64
Total depth of well after development	44.96	45.08	44.96	48.83	50.42
Date of measurement	11/1/91	11/1/91	11/1/91	11/1/91	11/1/91
Depth to water from top of casing	32.46	31.29	33.62	33.04	32.17
Elevation of water (MSL)	319.72	319.83	315.72	320.51	319.47

Table 2
Summary Table of Results for EPA Method 524.2 (Concentrations in µg/L)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: November 1, 1991

Monitoring Well No.	Carbon tetra-chloride	Chloro-form	1,2-Dichloro-ethane	1,1-Dichloro-ethene	Cis 1,2-Dichloro-ethene	Trans 1,2-Dichloro ethene	Methylene Chloride	Tetra-chloro-ethene	1,1,1-Trichloro-ethane	Trichloro-ethene	Trichloro-fluoro-methane	Benzene
MW-1	ND	ND	ND	23 +	4.4	ND	ND	170 +	ND	58 +	2.8	ND
MW-2	ND	ND	ND	17 +	2.6	ND	ND	170 +	3.1	44 +	ND	ND
MW-3	1.3 +	1.2	1.2 +	54 +	ND	ND	ND	76 +	8.7	96 +	ND	0.51
MW-4	ND	ND	ND	21 +	4.3	ND	ND	170 +	ND	52 +	3.4	ND
MW-5	ND	ND	ND	20 +	2.7	ND	ND	160 +	ND	50 +	2.5	ND
DECON	ND	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DHS DWAL or MCL for Corresp. Compounds	*0.5	*100	*0.5	*6.0	6.0	NA	40	5.0	*200	*5.0	150	1.0
LOD for Corresp. Compounds	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Method Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: Not detected at or above limit of detection
µg/L: Micrograms per liter (generally equivalent to parts per billion)
NA: Information not available
DHS: State of California Department of Health Services
DWAL: Drinking water action level
*MCL: Maximum contaminant level
LOD: Limit of detection
+: Reported concentration is above DWAL and/or MCL

Table 3
Summary Table of Results for EPA Method 180.1
for Turbidity
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: November 1, 1991

Sample Identification	Turbidity (N.T.U.)*
MW-1	76
MW-2	96
MW-3	44
MW-4	40
MW-5	2.1

Limit of detection: 0.1 N.T.U.
*N.T.U.: Nephelometric Turbidity Units

Table 4
Summary Table of Results for EPA Method 418.1 for
Total Petroleum Hydrocarbons (Concentrations in mg/L)
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: November 1, 1991

Sample Identification Number	Total Recoverable Petroleum Hydrocarbons
MW-3	ND
MW-5	ND

Limit of detection: 1.0
mg/L: Milligrams per liter (generally equivalent to parts per million)

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Table 5
Summary Table of Results for Average Pre-Sample pH Values
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: November 1, 1991

MONITORING WELL NUMBER	pH
MW-1	7.04
MW-2	7.02
MW-3	6.97
MW-4	7.04
MW-5	7.00

APPENDIX C

GROUNDWATER SAMPLING FORMS

Clayton
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CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.Q1 Site: STOODY FACILITY Date: 3/24/92

Well No: MW-1 Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Sunny, warm, slight breeze

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth of Well: 45.10 feet Time: 7:39 Depth to Water Before Purging: 29.72 feet

Volume Height of Water Column: 15.4 ft.	*	Diameter 2-inch	Diameter 4-inch	=	Volume	*	Purge Factor	=	Volume To Purge
	*	.16	.65	=	10.0 gal	*	5.0	=	50 gal

Notes:

Time	Volume Purged	pH	Conductivity	T	Comments
10:26	0 GAL	7.68	1.89	76.4	CLEAR
10:32	18 GAL	7.43	1.58	74.8	CLEAR
10:36	36 GAL	7.23	1.55	73.5	CLEAR
10:43	54 GAL	7.21	1.56	72.8	CLEAR

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CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Well No: MW-1

Time Field Parameter Measurement Begins: 12:05

	Rep #1	Rep #2	Rep #3	Rep #4
pH	7.24	7.24	7.23	7.24
Conductivity	1.78	1.58	1.57	1.57
T°F	74.4	72.3	72.0	72.2

Pre-Sample Collection Gallons Purged: 54

Time Sample Collection Begins: 12:13

Time Sample Collection Ends: 12:15

Total Gallons Purged: 55

Comments:

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CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.Q1 Site: STOODY FACILITY Date: 3/24/92

Well No: MW-2 Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Sunny, warm, slight breeze

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth of Well: 45.20 feet Time: 7:33 Depth to Water Before Purging: 28.54 feet

Volume Height of Water Column:			Diameter 2-inch	Diameter 4-inch		Volume		Purge Factor		Volume To Purge
	16.7 ft.	*	.16	.65	=	10.8 gal	*	5.0	=	54 gal

Notes:

Time	Volume Purged	pH	Conductivity	T	Comments
8:46	0 GAL	7.67	1.54	64.8	CLEAR
8:53	18 GAL	7.51	1.77	70.1	CLEAR
9:03	36 GAL	7.35	1.81	71.8	CLEAR
9:11	54 GAL	7.44	2.00	72.2	CLEAR

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CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Well No: MW-2

Time Field Parameter Measurement Begins: 11:40

	Rep #1	Rep #2	Rep #3	Rep #4
pH	7.46	7.44	7.44	7.44
Conductivity	1.86	1.86	1.88	1.88
T°F	72.4	72.6	72.2	72.6

Pre-Sample Collection Gallons Purged:	54
Time Sample Collection Begins:	11:50
Time Sample Collection Ends:	11:52
Total Gallons Purged:	55

Comments:

Clayton
ENVIRONMENTAL
CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.Q1 Site: STOODY FACILITY Date: 3/24/92

Well No: MW-3 Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Sunny, warm, slight breeze

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth of Well: 44.08 feet Time: 7:41 Depth to Water Before Purging: 30.76 feet

Volume Height of Water Column:		Diameter 2-inch	Diameter 4-inch		Volume		Purge Factor		Volume To Purge
13.3 ft.	*	.16	.65	=	8.66 gal	*	5.0	=	43 gal

Notes:

Time	Volume Purged	pH	Conductivity	T	Comments
10:59	0 GAL	7.40	1.98	80.0	CLEAR
11:02	18 GAL	7.27	1.78	79.1	CLEAR
11:08	36 GAL	7.19	1.71	78.1	CLEAR
11:16	54 GAL	7.17	1.71	77.9	CLEAR

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CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Well No: MW-3

Time Field Parameter Measurement Begins: 12:18

	Rep #1	Rep #2	Rep #3	Rep #4
pH	7.19	7.19	7.19	7.18
Conductivity	1.74	1.71	1.71	1.72
T°F	72.0	72.2	72.6	72.1

Pre-Sample Collection Gallons Purged:	54
Time Sample Collection Begins:	12:28
Time Sample Collection Ends:	12:30
Total Gallons Purged:	55

Comments:

Clayton
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CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.Q1 Site: STOODY FACILITY Date: 3/24/92

Well No: MW-4 Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Sunny, warm, slight breeze

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth of Well: 48.93 feet Time: 7:30 Depth to Water Before Purging: 30.36 feet

Volume Height of Water Column:		Diameter 2-inch	Diameter 4-inch		Volume		Purge Factor		Volume To Purge
18.6 ft.	*	.16	.65	=	12.1 gal	*	4.0	=	48 gal

Notes:

Time	Volume Purged	pH	Conductivity	T	Comments
7:49	0 GAL	7.10	2.35	67.9	CLEAR
8:01	18 GAL	7.18	1.70	69.5	CLEAR
8:09	36 GAL	7.29	1.72	69.8	CLEAR
8:19	54 GAL	7.25	1.70	68.5	CLEAR

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CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Well No: MW-4

Time Field Parameter Measurement Begins: 11:21

	Rep #1	Rep #2	Rep #3	Rep #4
pH	7.21	7.23	7.23	7.24
Conductivity	1.70	1.70	1.70	1.70
T°F	70.2	70.4	70.5	70.5

Pre-Sample Collection Gallons Purged:	54
Time Sample Collection Begins:	11:37
Time Sample Collection Ends:	11:39
Total Gallons Purged:	55

Comments:

Clayton
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CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.Q1 Site: STOODY FACILITY Date: 3/24/92

Well No: MW-5 Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Sunny, warm, slight breeze

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth of Well: 50.54 feet Time: 7:36 Depth to Water Before Purging: 29.28 feet

Volume Height of Water Column:		Diameter 2-inch	Diameter 4-inch		Volume		Purge Factor		Volume To Purge
21.3 ft.	*	.16	.65	=	13.8 gal	*	4.0	=	55 gal

Depth Purged: feet Time Surging Begins:

Notes:

Time	Volume Purged	pH	Conductivity	T	Comments
9:32	0 GAL	7.64	1.64	73.5	SLIGHTLY CLOUDY
9:42	18 GAL	7.40	1.51	74.1	SLIGHTLY CLOUDY
9:54	36 GAL	7.23	1.57	74.2	CLEAR
10:04	54 GAL	7.23	1.55	74.4	CLEAR

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CONSULTANTS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Well No: MW-5

Time Field Parameter Measurement Begins: 11:55

	Rep #1	Rep #2	Rep #3	Rep #4
pH	7.24	7.23	7.24	7.23
Conductivity	1.54	1.54	1.54	1.54
T°F	72.2	72.1	72.1	72.0

Pre-Sample Collection Gallons Purged:	54
Time Sample Collection Begins:	12:00
Time Sample Collection Ends:	12:02
Total Gallons Purged:	55

Comments:

APPENDIX D

LABORATORY REPORTS
AND
CHAIN-OF-CUSTODY FORMS

Enseco - CRL
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458 • (800) LAB-1-CRL
FAX: (714) 891-5917

Enseco
A Corning Company

April 7, 1992

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-001/006
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Project: (39314.Q1) STOODY

Enclosed with this letter is the report on the chemical and physical analyses on the samples from ANALYSIS NO: G-9208415-001/006 shown above.

The samples were received by CRL in a chilled state, intact and with the chain-of-custody record attached.

Note that ND means not detected at the reporting limit expressed. The reporting limit is raised to reflect the dilution factor of the sample.

Preliminary data for all analyses except Sulfate, Chloride and EPA Method 418.1 were provided on April 2,1992 at 9:18 A.M. Preliminary data for EPA Method 418.1 were provided on April 2,1992 at 11:38 A.M. and on April 3,1992 at 2:40 P.M. Preliminary data for Sulfate and Chloride were provided on April 3,1992 at 4:03 P.M.

Please note the cross-reference for MBAS analysis is as follows:

E.S. Babcock & Sons Sample ID	Enseco-CRL Sample ID	Client's Sample ID
920325-163	G-9208415-001	MW-1
920325-164	G-9208415-002	MW-2
920325-165	G-9208415-003	MW-3
920325-166	G-9208415-004	MW-4
920325-167	G-9208415-005	MW-5

Reviewed

Approved

Enseco
A Corning Company

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY
Sample ID: MW-1

Analysis No.: G-9208415-001
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Metals Prepared by EPA 3010 By NL on 29-MAR-1992

Parameter	Units	Sample Result	Sample RL	Blank Result	Blank RL	Date Prepared	Date Analyzed	By
Sulfate (EPA 300.0-L)	mg/L	285	25	ND	1	04/02/92	04/02/92	JC
Conductivity (EPA 9050)	umhos/cm	1300	10	ND	10	03/31/92	03/31/92	JC
Chloride (EPA 300.0-L)	mg/L	89.2	2.5	ND	0.1	04/02/92	04/02/92	JC
Alkalinity, Total as CaCO3 (EPA 310.1-L)	mg/L	370	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, CO3 as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, HCO3 as CaCO3 (EPA 310.1-L)	mg/L	370	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, OH as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Total Hardness (CALCULATED)	mg/L	545	1.5	ND	1.5	03/29/92	03/31/92	JM
Calcium (EPA 200.7)	mg/L	140	0.2	ND	0.2	03/29/92	03/31/92	JM
Copper (EPA 200.7)	mg/L	ND	0.02	ND	0.02	03/29/92	03/31/92	JM
Iron (EPA 200.7)	mg/L	ND	0.1	ND	0.1	03/29/92	03/31/92	JM
Magnesium (EPA 200.7)	mg/L	47.3	0.2	ND	0.2	03/29/92	03/31/92	JM
Manganese (EPA 200.7)	mg/L	ND	0.01	ND	0.01	03/29/92	03/31/92	JM
Sodium (EPA 200.7)	mg/L	88.8	5.0	ND	5	03/29/92	03/31/92	JM
Zinc (EPA 200.7)	mg/L	ND	0.02	ND	0.02	03/29/92	03/31/92	JM
Total Dissolved Solids (EPA 160.1)	mg/L	929	10	ND	10	03/30/92	03/30/92	CF
Turbidity (EPA 180.1)	NTU	0.5	0.1	ND	0.1	03/26/92	03/26/92	CF
pH (EPA 9040)	units	7.0	NA	NA	NA	03/25/92	03/25/92	JC

REV: 8-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-001
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Analyzed: 1-APR-1992 By: FA

Project: (39314.Q1) STOODY
Sample ID: MW-1

TPH, Recoverable-Liquid (EPA 418.1)

Units: mg/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
TPH Recoverable	ND	1	ND	1

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-001
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 26-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 26-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-1

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	2.5	ND	0.5	
Chloromethane	ND	2.5	ND	0.5	
Bromomethane	ND	2.5	ND	0.5	
Vinyl Chloride	ND	2.5	ND	0.5	
Chloroethane	ND	2.5	ND	0.5	
Methylene Chloride	ND	2.5	0.58	0.5	#
Trichlorofluoromethane	2.6	2.5	ND	0.5	
1,1-Dichloroethene	21	2.5	ND	0.5	
trans-1,2-Dichloroethene	ND	2.5	ND	0.5	
cis-1,2-Dichloroethene	3.7	2.5	ND	0.5	
1,1-Dichloroethane	ND	2.5	ND	0.5	
2,2-Dichloropropane	ND	2.5	ND	0.5	
Bromochloromethane	ND	2.5	ND	0.5	
Chloroform	ND	2.5	ND	0.5	
1,1-Dichloropropene	ND	2.5	ND	0.5	
1,2-Dichloroethane	ND	2.5	ND	0.5	
Dibromomethane	ND	2.5	ND	0.5	
1,1,1-Trichloroethane	ND	2.5	ND	0.5	
Carbon Tetrachloride	ND	2.5	ND	0.5	
Bromodichloromethane	ND	2.5	ND	0.5	
1,2-Dichloropropane	ND	2.5	ND	0.5	
1,3-Dichloropropane	ND	2.5	ND	0.5	
Trichloroethene	50	2.5	ND	0.5	
Dibromochloromethane	ND	2.5	ND	0.5	
1,1,2-Trichloroethane	ND	2.5	ND	0.5	
Benzene	ND	2.5	ND	0.5	
Bromoform	ND	2.5	ND	0.5	
Tetrachloroethene	200	2.5	ND	0.5	
1,2-Dibromoethane	ND	2.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.5	
Toluene	ND	2.5	ND	0.5	
Chlorobenzene	ND	2.5	ND	0.5	
Ethylbenzene	ND	2.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.

REV: 6-APR-1992

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A Corning Company

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-001
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 26-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 26-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-1

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	2.5	ND	0.5
o-Xylene	ND	2.5	ND	0.5
Styrene	ND	2.5	ND	0.5
Isopropylbenzene	ND	2.5	ND	0.5
Bromobenzene	ND	2.5	ND	0.5
1,2,3-Trichloropropane	ND	2.5	ND	0.5
2-Chlorotoluene	ND	2.5	ND	0.5
n-Propylbenzene	ND	2.5	ND	0.5
1,3,5-Trimethylbenzene	ND	2.5	ND	0.5
4-Chlorotoluene	ND	2.5	ND	0.5
tert-Butylbenzene	ND	2.5	ND	0.5
1,2,4-Trimethylbenzene	ND	2.5	ND	0.5
sec-Butylbenzene	ND	2.5	ND	0.5
p-Isopropyltoluene	ND	2.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5
n-Butylbenzene	ND	2.5	ND	0.5
1,2-Dichlorobenzene	ND	2.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	2.5	ND	0.5
Hexachlorobutadiene	ND	2.5	ND	0.5
Naphthalene	ND	2.5	ND	0.5
1,2,3-Trichlorobenzene	ND	2.5	ND	0.5

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-001
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
26-MAR-1992	1,2 DICHLORETHANE-D4 (EPA 524.2)	99	74-134
26-MAR-1992	TOLUENE-D8 (EPA 524.2)	108	78-126
26-MAR-1992	BROMOFLUOROBENZENE (EPA 524.2)	102	82-121

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY
Sample ID: MW-2

Analysis No.: G-9208415-002
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Metals Prepared by EPA 3010 By NL on 29-MAR-1992

Parameter	Units	Sample Result	Sample RL	Blank Result	Blank RL	Date Prepared	Date Analyzed	By
Sulfate (EPA 300.0-L)	mg/L	288	25	ND	1	04/02/92	04/02/92	JC
Conductivity (EPA 9050)	umhos/cm	1310	10	ND	10	03/31/92	03/31/92	JC
Chloride (EPA 300.0-L)	mg/L	78.7	2.5	ND	0.1	04/02/92	04/02/92	JC
Alkalinity, Total as CaCO3 (EPA 310.1-L)	mg/L	374	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, CO3 as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, HCO3 as CaCO3 (EPA 310.1-L)	mg/L	374	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, OH as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Total Hardness (CALCULATED)	mg/L	567	1.5	ND	1.5	03/29/92	03/31/92	JM
Calcium (EPA 200.7)	mg/L	146	0.2	ND	0.2	03/29/92	03/31/92	JM
Copper (EPA 200.7)	mg/L	ND	0.02	ND	0.02	03/29/92	03/31/92	JM
Iron (EPA 200.7)	mg/L	ND	0.1	ND	0.1	03/29/92	03/31/92	JM
Magnesium (EPA 200.7)	mg/L	49.0	0.2	ND	0.2	03/29/92	03/31/92	JM
Manganese (EPA 200.7)	mg/L	ND	0.01	ND	0.01	03/29/92	03/31/92	JM
Sodium (EPA 200.7)	mg/L	91.4	5.0	ND	5	03/29/92	03/31/92	JM
Zinc (EPA 200.7)	mg/L	0.025	0.02	ND	0.02	03/29/92	03/31/92	JM
Total Dissolved Solids (EPA 160.1)	mg/L	956	10	ND	10	03/30/92	03/30/92	CF
Turbidity (EPA 180.1)	NTU	0.2	0.1	ND	0.1	03/26/92	03/26/92	CF
pH (EPA 9040)	units	7.1	NA	NA	NA	03/24/92	03/24/92	JC

REV: 8-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-002
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Analyzed: 1-APR-1992 By: FA

Project: (39314.Q1) STOODY
Sample ID: MW-2

TPH, Recoverable-Liquid (EPA 418.1)

Units: mg/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
TPH Recoverable	ND	1	ND	1

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-002
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 26-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 26-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-2

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	2.5	ND	0.5	
Chloromethane	ND	2.5	ND	0.5	
Bromomethane	ND	2.5	ND	0.5	
Vinyl Chloride	ND	2.5	ND	0.5	
Chloroethane	ND	2.5	ND	0.5	
Methylene Chloride	ND	2.5	0.58	0.5	#
Trichlorofluoromethane	ND	2.5	ND	0.5	
1,1-Dichloroethene	12	2.5	ND	0.5	
trans-1,2-Dichloroethene	ND	2.5	ND	0.5	
cis-1,2-Dichloroethene	ND	2.5	ND	0.5	
1,1-Dichloroethane	ND	2.5	ND	0.5	
2,2-Dichloropropane	ND	2.5	ND	0.5	
Bromochloromethane	ND	2.5	ND	0.5	
Chloroform	ND	2.5	ND	0.5	
1,1-Dichloropropene	ND	2.5	ND	0.5	
1,2-Dichloroethane	ND	2.5	ND	0.5	
Dibromomethane	ND	2.5	ND	0.5	
1,1,1-Trichloroethane	3.5	2.5	ND	0.5	
Carbon Tetrachloride	ND	2.5	ND	0.5	
Bromodichloromethane	ND	2.5	ND	0.5	
1,2-Dichloropropane	ND	2.5	ND	0.5	
1,3-Dichloropropane	ND	2.5	ND	0.5	
Trichloroethene	31	2.5	ND	0.5	
Dibromochloromethane	ND	2.5	ND	0.5	
1,1,2-Trichloroethane	ND	2.5	ND	0.5	
Benzene	ND	2.5	ND	0.5	
Bromoform	ND	2.5	ND	0.5	
Tetrachloroethene	210	2.5	ND	0.5	
1,2-Dibromoethane	ND	2.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.5	
Toluene	ND	2.5	ND	0.5	
Chlorobenzene	ND	2.5	ND	0.5	
Ethylbenzene	ND	2.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-002
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 26-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 26-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-2

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	2.5	ND	0.5
o-Xylene	ND	2.5	ND	0.5
Styrene	ND	2.5	ND	0.5
Isopropylbenzene	ND	2.5	ND	0.5
Bromobenzene	ND	2.5	ND	0.5
1,2,3-Trichloropropane	ND	2.5	ND	0.5
2-Chlorotoluene	ND	2.5	ND	0.5
n-Propylbenzene	ND	2.5	ND	0.5
1,3,5-Trimethylbenzene	ND	2.5	ND	0.5
4-Chlorotoluene	ND	2.5	ND	0.5
tert-Butylbenzene	ND	2.5	ND	0.5
1,2,4-Trimethylbenzene	ND	2.5	ND	0.5
sec-Butylbenzene	ND	2.5	ND	0.5
p-Isopropyltoluene	ND	2.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5
n-Butylbenzene	ND	2.5	ND	0.5
1,2-Dichlorobenzene	ND	2.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	2.5	ND	0.5
Hexachlorobutadiene	ND	2.5	ND	0.5
Naphthalene	ND	2.5	ND	0.5
1,2,3-Trichlorobenzene	ND	2.5	ND	0.5

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-002
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
26-MAR-1992	1,2 DICHLORETHANE-D4 (EPA 524.2)	117	74-134
26-MAR-1992	TOLUENE-D8 (EPA 524.2)	113	78-126
26-MAR-1992	BROMOFLUOROBENZENE (EPA 524.2)	112	82-121

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY
Sample ID: MW-3

Analysis No.: G-9208415-003
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Metals Prepared by EPA 3010 By NL on 29-MAR-1992

Parameter	Units	Sample Result	Sample RL	Blank Result	Blank RL	Date Prepared	Date Analyzed	By
Sulfate (EPA 300.0-L)	mg/L	255	25	ND	1	04/02/92	04/02/92	JC
Conductivity (EPA 9050)	umhos/cm	1360	10	ND	10	03/31/92	03/31/92	JC
Chloride (EPA 300.0-L)	mg/L	95.9	2.5	ND	0.1	04/02/92	04/02/92	JC
Alkalinity, Total as CaCO3 (EPA 310.1-L)	mg/L	378	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, CO3 as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, HCO3 as CaCO3 (EPA 310.1-L)	mg/L	378	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, OH as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Total Hardness (CALCULATED)	mg/L	575	1.5	ND	1.5	03/29/92	03/31/92	JM
Calcium (EPA 200.7)	mg/L	147	0.2	ND	0.2	03/29/92	03/31/92	JM
Copper (EPA 200.7)	mg/L	ND	0.02	ND	0.02	03/29/92	03/31/92	JM
Iron (EPA 200.7)	mg/L	ND	0.1	ND	0.1	03/29/92	03/31/92	JM
Magnesium (EPA 200.7)	mg/L	50.3	0.2	ND	0.2	03/29/92	03/31/92	JM
Manganese (EPA 200.7)	mg/L	ND	0.01	ND	0.01	03/29/92	03/31/92	JM
Sodium (EPA 200.7)	mg/L	89.8	5.0	ND	5	03/29/92	03/31/92	JM
Zinc (EPA 200.7)	mg/L	ND	0.02	ND	0.02	03/29/92	03/31/92	JM
Total Dissolved Solids (EPA 160.1)	mg/L	926	10	ND	10	03/30/92	03/30/92	CF
Turbidity (EPA 180.1)	NTU	0.2	0.1	ND	0.1	03/26/92	03/26/92	CF
pH (EPA 9040)	units	7.4	NA	NA	NA	03/25/92	03/25/92	JC

REV: 8-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-003
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Analyzed: 1-APR-1992 By: FA

Project: (39314.Q1) STOODY
Sample ID: MW-3

TPH, Recoverable-Liquid (EPA 418.1)

Units: mg/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
TPH Recoverable	ND	1	ND	1

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-003
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 25-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 25-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-3

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	0.5	ND	0.5	
Chloromethane	ND	0.5	ND	0.5	
Bromomethane	ND	0.5	ND	0.5	
Vinyl Chloride	ND	0.5	ND	0.5	
Chloroethane	ND	0.5	ND	0.5	
Methylene Chloride	0.57	0.5	0.84	0.5	#
Trichlorofluoromethane	ND	0.5	ND	0.5	
1,1-Dichloroethene	54	0.5	ND	0.5	
trans-1,2-Dichloroethene	ND	0.5	ND	0.5	
cis-1,2-Dichloroethene	0.51	0.5	ND	0.5	
1,1-Dichloroethane	ND	0.5	ND	0.5	
2,2-Dichloropropane	ND	0.5	ND	0.5	
Bromochloromethane	ND	0.5	ND	0.5	
Chloroform	1.2	0.5	ND	0.5	
1,1-Dichloropropene	ND	0.5	ND	0.5	
1,2-Dichloroethane	0.54	0.5	ND	0.5	
Dibromomethane	ND	0.5	ND	0.5	
1,1,1-Trichloroethane	5.9	0.5	ND	0.5	
Carbon Tetrachloride	1.5	0.5	ND	0.5	
Bromodichloromethane	ND	0.5	ND	0.5	
1,2-Dichloropropane	ND	0.5	ND	0.5	
1,3-Dichloropropane	ND	0.5	ND	0.5	
Trichloroethene	96	0.5	ND	0.5	
Dibromochloromethane	ND	0.5	ND	0.5	
1,1,2-Trichloroethane	ND	0.5	ND	0.5	
Benzene	ND	0.5	ND	0.5	
Bromoform	ND	0.5	ND	0.5	
Tetrachloroethene	73	0.5	ND	0.5	
1,2-Dibromoethane	ND	0.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	0.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	
Toluene	ND	0.5	ND	0.5	
Chlorobenzene	ND	0.5	ND	0.5	
Ethylbenzene	ND	0.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-003
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 25-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 25-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-3

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	0.5	ND	0.5
o-Xylene	ND	0.5	ND	0.5
Styrene	ND	0.5	ND	0.5
Isopropylbenzene	ND	0.5	ND	0.5
Bromobenzene	ND	0.5	ND	0.5
1,2,3-Trichloropropane	ND	0.5	ND	0.5
2-Chlorotoluene	ND	0.5	ND	0.5
n-Propylbenzene	ND	0.5	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5	ND	0.5
4-Chlorotoluene	ND	0.5	ND	0.5
tert-Butylbenzene	ND	0.5	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5	ND	0.5
sec-Butylbenzene	ND	0.5	ND	0.5
p-Isopropyltoluene	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
n-Butylbenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	0.5	ND	0.5
Hexachlorobutadiene	ND	0.5	ND	0.5
Naphthalene	ND	0.5	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5	ND	0.5

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-003
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
25-MAR-1992	1,2 DICHLORETHANE-D4 (EPA 524.2)	102	74-134
25-MAR-1992	TOLUENE-D8 (EPA 524.2)	90	78-126
25-MAR-1992	BROMOFLUOROBENZENE (EPA 524.2)	93	82-121

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY
Sample ID: MW-4

Analysis No.: G-9208415-004
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Metals Prepared by EPA 3010 By NL on 29-MAR-1992

Parameter	Units	Sample Result	Sample RL	Blank Result	Blank RL	Date Prepared	Date Analyzed	By
Sulfate (EPA 300.0-L)	mg/L	252	25	ND	1	04/02/92	04/02/92	JC
Conductivity (EPA 9050)	umhos/cm	1350	10	ND	10	03/31/92	03/31/92	JC
Chloride (EPA 300.0-L)	mg/L	82.3	2.5	ND	0.1	04/02/92	04/02/92	JC
Alkalinity, Total as CaCO3 (EPA 310.1-L)	mg/L	355	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, CO3 as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, HCO3 as CaCO3 (EPA 310.1-L)	mg/L	355	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, OH as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Total Hardness (CALCULATED)	mg/L	539	1.5	ND	1.5	03/29/92	03/31/92	JM
Calcium (EPA 200.7)	mg/L	139	0.2	ND	0.2	03/29/92	03/31/92	JM
Copper (EPA 200.7)	mg/L	ND	0.02	ND	0.02	03/29/92	03/31/92	JM
Iron (EPA 200.7)	mg/L	ND	0.1	ND	0.1	03/29/92	03/31/92	JM
Magnesium (EPA 200.7)	mg/L	46.6	0.2	ND	0.2	03/29/92	03/31/92	JM
Manganese (EPA 200.7)	mg/L	ND	0.01	ND	0.01	03/29/92	03/31/92	JM
Sodium (EPA 200.7)	mg/L	88.5	5.0	ND	5	03/29/92	03/31/92	JM
Zinc (EPA 200.7)	mg/L	0.024	0.02	ND	0.02	03/29/92	03/31/92	JM
Total Dissolved Solids (EPA 160.1)	mg/L	909	10	ND	10	03/30/92	03/30/92	CF
Turbidity (EPA 180.1)	NTU	1.0	0.1	ND	0.1	03/26/92	03/26/92	CF
pH (EPA 9040)	units	7.5	NA	NA	NA	03/25/92	03/25/92	JC

REV: 8-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-004
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Analyzed: 1-APR-1992 By: FA

Project: (39314.Q1) STOODY
Sample ID: MW-4

TPH, Recoverable-Liquid (EPA 418.1)

Units: mg/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
TPH Recoverable	ND	1	ND	1

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-004
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 26-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 26-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-4

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	2.5	ND	0.5	
Chloromethane	ND	2.5	ND	0.5	
Bromomethane	ND	2.5	ND	0.5	
Vinyl Chloride	ND	2.5	ND	0.5	
Chloroethane	ND	2.5	ND	0.5	
Methylene Chloride	ND	2.5	0.58	0.5	#
Trichlorofluoromethane	2.7	2.5	ND	0.5	
1,1-Dichloroethene	15	2.5	ND	0.5	
trans-1,2-Dichloroethene	ND	2.5	ND	0.5	
cis-1,2-Dichloroethene	3.6	2.5	ND	0.5	
1,1-Dichloroethane	ND	2.5	ND	0.5	
2,2-Dichloropropane	ND	2.5	ND	0.5	
Bromochloromethane	ND	2.5	ND	0.5	
Chloroform	ND	2.5	ND	0.5	
1,1-Dichloropropene	ND	2.5	ND	0.5	
1,2-Dichloroethane	ND	2.5	ND	0.5	
Dibromomethane	ND	2.5	ND	0.5	
1,1,1-Trichloroethane	ND	2.5	ND	0.5	
Carbon Tetrachloride	ND	2.5	ND	0.5	
Bromodichloromethane	ND	2.5	ND	0.5	
1,2-Dichloropropane	ND	2.5	ND	0.5	
1,3-Dichloropropane	ND	2.5	ND	0.5	
Trichloroethene	41	2.5	ND	0.5	
Dibromochloromethane	ND	2.5	ND	0.5	
1,1,2-Trichloroethane	ND	2.5	ND	0.5	
Benzene	ND	2.5	ND	0.5	
Bromoform	ND	2.5	ND	0.5	
Tetrachloroethene	160	2.5	ND	0.5	
1,2-Dibromoethane	ND	2.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.5	
Toluene	ND	2.5	ND	0.5	
Chlorobenzene	ND	2.5	ND	0.5	
Ethylbenzene	ND	2.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.

REV: 8-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-004
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 26-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 26-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-4

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	2.5	ND	0.5
o-Xylene	ND	2.5	ND	0.5
Styrene	ND	2.5	ND	0.5
Isopropylbenzene	ND	2.5	ND	0.5
Bromobenzene	ND	2.5	ND	0.5
1,2,3-Trichloropropane	ND	2.5	ND	0.5
2-Chlorotoluene	ND	2.5	ND	0.5
n-Propylbenzene	ND	2.5	ND	0.5
1,3,5-Trimethylbenzene	ND	2.5	ND	0.5
4-Chlorotoluene	ND	2.5	ND	0.5
tert-Butylbenzene	ND	2.5	ND	0.5
1,2,4-Trimethylbenzene	ND	2.5	ND	0.5
sec-Butylbenzene	ND	2.5	ND	0.5
p-Isopropyltoluene	ND	2.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5
n-Butylbenzene	ND	2.5	ND	0.5
1,2-Dichlorobenzene	ND	2.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	2.5	ND	0.5
Hexachlorobutadiene	ND	2.5	ND	0.5
Naphthalene	ND	2.5	ND	0.5
1,2,3-Trichlorobenzene	ND	2.5	ND	0.5

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-004
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
26-MAR-1992	1,2 DICHLORETHANE-D4 (EPA 524.2)	107	74-134
26-MAR-1992	TOLUENE-D8 (EPA 524.2)	98	78-126
26-MAR-1992	BROMOFLUOROBENZENE (EPA 524.2)	99	82-121

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY
Sample ID: MW-5

Analysis No.: G-9208415-005
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Metals Prepared by EPA 3010 By NL on 29-MAR-1992

Parameter	Units	Sample Result	Sample RL	Blank Result	Blank RL	Date Prepared	Date Analyzed	By
Sulfate (EPA 300.0-L)	mg/L	242	25	ND	1	04/02/92	04/02/92	JC
Conductivity (EPA 9050)	umhos/cm	1300	10	ND	10	03/31/92	03/31/92	JC
Chloride (EPA 300.0-L)	mg/L	69.4	2.5	ND	0.1	04/02/92	04/02/92	JC
Alkalinity, Total as CaCO3 (EPA 310.1-L)	mg/L	378	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, CO3 as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, HCO3 as CaCO3 (EPA 310.1-L)	mg/L	378	4	ND	4	03/31/92	03/31/92	CF
Alkalinity, OH as CaCO3 (EPA 310.1-L)	mg/L	ND	4	ND	4	03/31/92	03/31/92	CF
Total Hardness (CALCULATED)	mg/L	541	1.5	ND	1.5	03/29/92	03/31/92	JM
Calcium (EPA 200.7)	mg/L	139	0.2	ND	0.2	03/29/92	03/31/92	JM
Copper (EPA 200.7)	mg/L	ND	0.02	ND	0.02	03/29/92	03/31/92	JM
Iron (EPA 200.7)	mg/L	0.27	0.1	ND	0.1	03/29/92	03/31/92	JM
Magnesium (EPA 200.7)	mg/L	46.9	0.2	ND	0.2	03/29/92	03/31/92	JM
Manganese (EPA 200.7)	mg/L	0.040	0.01	ND	0.01	03/29/92	03/31/92	JM
Sodium (EPA 200.7)	mg/L	87.5	5.0	ND	5	03/29/92	03/31/92	JM
Zinc (EPA 200.7)	mg/L	0.14	0.02	ND	0.02	03/29/92	03/31/92	JM
Total Dissolved Solids (EPA 160.1)	mg/L	913	10	ND	10	03/30/92	03/30/92	CF
Turbidity (EPA 180.1)	NTU	2.8	0.1	ND	0.1	03/26/92	03/26/92	CF
pH (EPA 9040)	units	7.4	NA	NA	NA	03/25/92	03/25/92	JC

REV: 8-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-005
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Analyzed: 1-APR-1992 By: FA

Project: (39314.Q1) STOODY
Sample ID: MW-5

TPH, Recoverable-Liquid (EPA 418.1)

Units: mg/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
TPH Recoverable	ND	1	ND	1

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-005
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 25-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 25-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-5

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	0.5	ND	0.5	
Chloromethane	ND	0.5	ND	0.5	
Bromomethane	ND	0.5	ND	0.5	
Vinyl Chloride	ND	0.5	ND	0.5	
Chloroethane	ND	0.5	ND	0.5	
Methylene Chloride	ND	0.5	0.84	0.5	#
Trichlorofluoromethane	1.0	0.5	ND	0.5	
1,1-Dichloroethene	7.7	0.5	ND	0.5	
trans-1,2-Dichloroethene	ND	0.5	ND	0.5	
cis-1,2-Dichloroethene	2.1	0.5	ND	0.5	
1,1-Dichloroethane	ND	0.5	ND	0.5	
2,2-Dichloropropane	ND	0.5	ND	0.5	
Bromochloromethane	ND	0.5	ND	0.5	
Chloroform	ND	0.5	ND	0.5	
1,1-Dichloropropene	ND	0.5	ND	0.5	
1,2-Dichloroethane	ND	0.5	ND	0.5	
Dibromomethane	ND	0.5	ND	0.5	
1,1,1-Trichloroethane	1.1	0.5	ND	0.5	
Carbon Tetrachloride	ND	0.5	ND	0.5	
Bromodichloromethane	ND	0.5	ND	0.5	
1,2-Dichloropropane	ND	0.5	ND	0.5	
1,3-Dichloropropane	ND	0.5	ND	0.5	
Trichloroethene	23	0.5	ND	0.5	
Dibromochloromethane	ND	0.5	ND	0.5	
1,1,2-Trichloroethane	ND	0.5	ND	0.5	
Benzene	ND	0.5	ND	0.5	
Bromoform	ND	0.5	ND	0.5	
Tetrachloroethene	98	0.5	ND	0.5	
1,2-Dibromoethane	ND	0.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	0.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	
Toluene	ND	0.5	ND	0.5	
Chlorobenzene	ND	0.5	ND	0.5	
Ethylbenzene	ND	0.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-005
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 25-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 25-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: MW-5

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	0.5	ND	0.5
o-Xylene	ND	0.5	ND	0.5
Styrene	ND	0.5	ND	0.5
Isopropylbenzene	ND	0.5	ND	0.5
Bromobenzene	ND	0.5	ND	0.5
1,2,3-Trichloropropane	ND	0.5	ND	0.5
2-Chlorotoluene	ND	0.5	ND	0.5
n-Propylbenzene	ND	0.5	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5	ND	0.5
4-Chlorotoluene	ND	0.5	ND	0.5
tert-Butylbenzene	ND	0.5	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5	ND	0.5
sec-Butylbenzene	ND	0.5	ND	0.5
p-Isopropyltoluene	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
n-Butylbenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	0.5	ND	0.5
Hexachlorobutadiene	ND	0.5	ND	0.5
Naphthalene	ND	0.5	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5	ND	0.5

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-005
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
25-MAR-1992	1,2 DICHLORETHANE-D4 (EPA 524.2)	104	74-134
25-MAR-1992	TOLUENE-D8 (EPA 524.2)	91	78-126
25-MAR-1992	BROMOFLUOROBENZENE (EPA 524.2)	92	82-121

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-006
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 25-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 25-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: F.B.

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	0.5	ND	0.5	
Chloromethane	ND	0.5	ND	0.5	
Bromomethane	ND	0.5	ND	0.5	
Vinyl Chloride	ND	0.5	ND	0.5	
Chloroethane	ND	0.5	ND	0.5	
Methylene Chloride	0.85	0.5	0.84	0.5	#
Trichlorofluoromethane	ND	0.5	ND	0.5	
1,1-Dichloroethene	ND	0.5	ND	0.5	
trans-1,2-Dichloroethene	ND	0.5	ND	0.5	
cis-1,2-Dichloroethene	ND	0.5	ND	0.5	
1,1-Dichloroethane	ND	0.5	ND	0.5	
2,2-Dichloropropane	ND	0.5	ND	0.5	
Bromochloromethane	ND	0.5	ND	0.5	
Chloroform	ND	0.5	ND	0.5	
1,1-Dichloropropene	ND	0.5	ND	0.5	
1,2-Dichloroethane	ND	0.5	ND	0.5	
Dibromomethane	ND	0.5	ND	0.5	
1,1,1-Trichloroethane	ND	0.5	ND	0.5	
Carbon Tetrachloride	ND	0.5	ND	0.5	
Bromodichloromethane	ND	0.5	ND	0.5	
1,2-Dichloropropane	ND	0.5	ND	0.5	
1,3-Dichloropropane	ND	0.5	ND	0.5	
Trichloroethene	ND	0.5	ND	0.5	
Dibromochloromethane	ND	0.5	ND	0.5	
1,1,2-Trichloroethane	ND	0.5	ND	0.5	
Benzene	ND	0.5	ND	0.5	
Bromoform	ND	0.5	ND	0.5	
Tetrachloroethene	ND	0.5	ND	0.5	
1,2-Dibromoethane	ND	0.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	0.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	
Toluene	ND	0.5	ND	0.5	
Chlorobenzene	ND	0.5	ND	0.5	
Ethylbenzene	ND	0.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE

Analysis No.: G-9208415-006
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID
Date Prepared: 25-MAR-1992
Prep Method: EPA 5030 By: DB
Date Analyzed: 25-MAR-1992 By: DB

Project: (39314.Q1) STOODY
Sample ID: F.B.

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	0.5	ND	0.5
o-Xylene	ND	0.5	ND	0.5
Styrene	ND	0.5	ND	0.5
Isopropylbenzene	ND	0.5	ND	0.5
Bromobenzene	ND	0.5	ND	0.5
1,2,3-Trichloropropane	ND	0.5	ND	0.5
2-Chlorotoluene	ND	0.5	ND	0.5
n-Propylbenzene	ND	0.5	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5	ND	0.5
4-Chlorotoluene	ND	0.5	ND	0.5
tert-Butylbenzene	ND	0.5	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5	ND	0.5
sec-Butylbenzene	ND	0.5	ND	0.5
p-Isopropyltoluene	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
n-Butylbenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	0.5	ND	0.5
Hexachlorobutadiene	ND	0.5	ND	0.5
Naphthalene	ND	0.5	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5	ND	0.5

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-006
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
25-MAR-1992	1,2 DICHLORETHANE-D4 (EPA 524.2)	104	74-134
25-MAR-1992	TOLUENE-D8 (EPA 524.2)	92	78-126
25-MAR-1992	BROMOFLUOROBENZENE (EPA 524.2)	93	82-121

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-001/006
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Matrix Spike/Matrix Spike Duplicate Report

Sample Number	Parameter (Method)	Units	Observed Concentration Sample	MS	MSD	Amt. Spiked	% Recovery MS	MSD	Avg.	% RPD
9208415-002	CALCIUM (EPA 200.7)	mg/L	146	243	231	100	97.0	85.0	91	13
9208415-002	COPPER (EPA 200.7)	mg/L	ND	0.253	0.249	0.250	101.2	99.6	100	2
9208415-002	IRON (EPA 200.7)	mg/L	ND	0.924	0.903	1.00	92.4	90.3	91	2
9208415-002	MAGNESIUM (EPA 200.7)	mg/L	49.0	100	95.5	50.0	102.0	93.0	98	9
9208415-002	MANGANESE (EPA 200.7)	mg/L	ND	0.462	0.449	0.500	92.4	89.8	91	3
9208415-002	SODIUM (EPA 200.7)	mg/L	91.4	196	186	100	104.6	94.6	100	10
9208415-002	ZINC (EPA 200.7)	mg/L	0.0249	0.469	0.469	0.500	88.8	88.8	89	0
9208415-002C	CHLORIDE (EPA 300.0-L)	mg/L	78.7	332	319	250	101.3	96.1	99	5
9208415-002C	SULFATE (EPA 300.0-L)	mg/L	288	540	542	250	100.8	101.6	101	1
9208415-005	1,1-DICHLOROETHENE (EPA 524.2)	ug/L	7.70	12.8	11.6	7.00	72.9	55.7	64	27
9208415-005	TRICHLOROETHENE (EPA 524.2)	ug/L	23.3	26.1	21.8	5.00	N/C	N/C	N/C	N/C
9208415-005	BENZENE (EPA 524.2)	ug/L	ND	4.63	4.77	5.00	92.6	95.4	94	3
9208415-005	TOLUENE (EPA 524.2)	ug/L	ND	9.07	8.91	10.0	90.7	89.1	90	2
9208415-005	CHLOROBENZENE (EPA 524.2)	ug/L	ND	9.55	9.31	10.0	95.5	93.1	94	2

N/C = Not Calculated; Recovery of the compound spiked into the sample was not calculated due to a high existing concentration in the sample. Non-representative recoveries may result when the native sample concentration exceeds twice the spike level due, in part, to sample heterogeneity.

REV: 6-APR-1992

Matrix Spike/Matrix Spike Duplicate Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
9208415-002	29-MAR-1992	EPA 200.7	G-9208415-001
	29-MAR-1992		G-9208415-002
	29-MAR-1992		G-9208415-003
	29-MAR-1992		G-9208415-004
	29-MAR-1992		G-9208415-005
9208415-002C	2-APR-1992	EPA 300.0-L	G-9208415-001
	2-APR-1992		G-9208415-002
	2-APR-1992		G-9208415-003
	2-APR-1992		G-9208415-004
	2-APR-1992		G-9208415-005
9208415-005	26-MAR-1992	EPA 524.2	G-9208415-001
	26-MAR-1992		G-9208415-002
	26-MAR-1992		G-9208415-003
	26-MAR-1992		G-9208415-004
	26-MAR-1992		G-9208415-005
	26-MAR-1992		G-9208415-006

REV: 6-APR-1992

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Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE' LaMONTAGNE
Project: (39314.Q1) STOODY

Analysis No.: G-9208415-001/006
Date Sampled: 24-MAR-1992
Date Sample Rec'd: 24-MAR-1992
Sample Type: LIQUID

Laboratory Control Sample Report

QC Batch	Parameter (Method)	Amt. Spiked	Units	Pct. Recovery Sp 1	Pct. Recovery Sp 2	Avg. Recv	Acc. Range	Rel. Pct. Diff	Acc. Range
L92091020	TOTAL DISSOLVED SOLIDS (EPA 160.1)	355.9	mg/L	98.9	116.9	108	70-130	17	30
L92080041	TURBIDITY (EPA 180.1)	5.00	NTU	88.0	88.0	88	80-120	0	20
L92092019	CALCIUM (EPA 200.7)	100	mg/L	96.0	93.2	95	80-120	3	20
L92092019	COPPER (EPA 200.7)	0.250	mg/L	104.0	99.2	102	80-120	5	20
L92092019	IRON (EPA 200.7)	1.00	mg/L	100.0	92.2	96	80-120	8	20
L92092019	MAGNESIUM (EPA 200.7)	50.0	mg/L	98.2	96.6	97	80-120	2	20
L92092019	MANGANESE (EPA 200.7)	0.500	mg/L	94.6	92.8	94	80-120	2	20
L92092019	SODIUM (EPA 200.7)	100	mg/L	95.9	93.2	95	80-120	3	20
L92092019	ZINC (EPA 200.7)	0.500	mg/L	93.4	92.0	93	80-120	2	20
L92093040	CHLORIDE (EPA 300.0-L)	5.00	mg/L	100.2	101.6	101	86-113	1	17
L92093040	SULFATE (EPA 300.0-L)	5.00	mg/L	100.2	102.2	101	87-114	2	15
L92092018	ALKALINITY, TOTAL AS CACO3 (EPA 310.1-L)	1704	mg/L	95.0	94.8	95	80-120	0	20
L92092033	TPH RECOVERABLE (EPA 418.1-L)	8	mg/L	93.8	98.4	96	75-121	5	12
L92086001	1,1-DICHLOROETHENE (EPA 524.2)	7.00	ug/L	81.4	85.7	84	64-116	5	13
L92086001	TRICHLOROETHENE (EPA 524.2)	5.00	ug/L	94.0	96.0	95	80-117	2	15
L92086001	BENZENE (EPA 524.2)	5.00	ug/L	94.0	96.0	95	81-119	2	14
L92086001	TOLUENE (EPA 524.2)	10.0	ug/L	97.0	102.0	100	77-120	5	12
L92086001	CHLOROBENZENE (EPA 524.2)	10.0	ug/L	101.0	105.0	103	81-121	4	14
L92086014	PH (EPA 9040)	9.18	units	100.8	100.8	101	98-102	0	1
L92085017	PH (EPA 9040)	9.18	units	100.0	100.0	100	98-102	0	1
L92092009	CONDUCTIVITY (EPA 9050)	1413	umhos/cm	99.4	100.4	100	80-120	1	20

REV: 6-APR-1992

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Laboratory Control Sample Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
L92080041	20-MAR-1992	EPA 180.1	G-9208415-001
	20-MAR-1992		G-9208415-002
	20-MAR-1992		G-9208415-003
	20-MAR-1992		G-9208415-004
	20-MAR-1992		G-9208415-005
L92085017	24-MAR-1992	EPA 9040	G-9208415-002
L92086001	26-MAR-1992	EPA 524.2	G-9208415-001
	26-MAR-1992		G-9208415-002
	26-MAR-1992		G-9208415-003
	26-MAR-1992		G-9208415-004
	26-MAR-1992		G-9208415-005
	26-MAR-1992		G-9208415-006
L92086014	25-MAR-1992	EPA 9040	G-9208415-001
	25-MAR-1992		G-9208415-003
	25-MAR-1992		G-9208415-004
	25-MAR-1992		G-9208415-005
L92091020	31-MAR-1992	EPA 160.1	G-9208415-001
	31-MAR-1992		G-9208415-002
	31-MAR-1992		G-9208415-003
	31-MAR-1992		G-9208415-004
	31-MAR-1992		G-9208415-005
L92092009	31-MAR-1992	EPA 9050	G-9208415-001
	31-MAR-1992		G-9208415-002
	31-MAR-1992		G-9208415-003
	31-MAR-1992		G-9208415-004
	31-MAR-1992		G-9208415-005
L92092018	31-MAR-1992	EPA 310.1-L	G-9208415-001
	31-MAR-1992		G-9208415-002
	31-MAR-1992		G-9208415-003
	31-MAR-1992		G-9208415-004
	31-MAR-1992		G-9208415-005
L92092019	29-MAR-1992	EPA 200.7	G-9208415-001
	29-MAR-1992		G-9208415-002
	29-MAR-1992		G-9208415-003
	29-MAR-1992		G-9208415-004
	29-MAR-1992		G-9208415-005
L92092033	1-APR-1992	EPA 418.1-L	G-9208415-001
	1-APR-1992		G-9208415-002
	1-APR-1992		G-9208415-003
	1-APR-1992		G-9208415-004
	1-APR-1992		G-9208415-005
L92093040			

REV: 6-APR-1992

Enseco
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Laboratory Control Sample Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
	2-APR-1992	EPA 300.0-L	G-9208415-001
	2-APR-1992		G-9208415-002
	2-APR-1992		G-9208415-003
	2-APR-1992		G-9208415-004
	2-APR-1992		G-9208415-005

REV: 6-APR-1992

BACTERIOLOGY
WATER TESTING
HAZARDOUS WASTE TESTING
CALIF. DHS CERTIFIED

LABORATORIES
3215 CHICAGO AVENUE, RIVERSIDE

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

714/684-1881
FAX 714/684-9738

P.O. BOX 432
RIVERSIDE, CA 92502

03/26/92

To: Enseco
7440 Lincoln Wy
Garden Grove, CA 92641
Attn: Sylvia Fowler

Lab No.	**920325-163**
Invoice No.	**80785**

Sample Marked:
Clayton Env./39314.Q1
Stoody MW-1
Lab #G-9208415-001
Liquid

Submitted	Sampled
RH 03/25/92 12:00	03/24/92

Chain of Custody on file: Y

Parameter Name	Results	Parameter Name	Results
MBAS	0.08 mg/L		

Date analysis completed: 03/25/92

Notes:

cc:

Edward S. Babcock & Sons, Inc.

Allison Mack

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FAX 714/684-9738

P.O. BOX 432
RIVERSIDE, CA 92502

03/26/92

To: **Enseco**
7440 Lincoln Wy
Garden Grove, CA 92641
Attn: Sylvia Fowler

Lab No.	**920325-164**
Invoice No.	**80785**

Sample Marked:
Clayton Env./39314.Q1
Stoody MW-2
Lab #G-9208415-002
Liquid

Submitted	Sampled
RH 03/25/92 12:00	03/24/92

Chain of Custody on file: Y

Parameter Name	Results	Parameter Name	Results
MBAS	0.10 mg/L		

Date analysis completed: 03/25/92

Notes:

cc:

Edward S. Babcock & Sons, Inc.

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FAX 714/684-9738

P.O. BOX 432
RIVERSIDE, CA 92502

03/26/92

To: **Enseco**
7440 Lincoln Wy
Garden Grove, CA 92641
Attn: Sylvia Fowler

Lab No.	**920325-165**
Invoice No.	**80785**

Sample Marked:
Clayton Env./39314-Q1
Stoody MW-3
Lab #G-9208415-003
Liquid

Submitted	Sampled
RH 03/25/92 12:00	03/24/92

Chain of Custody on file: Y

Parameter Name	Results	Parameter Name	Results
MBAS	0.09 mg/L		

Date analysis completed: 03/25/92

Notes:

cc:

Edward S. Babcock & Sons, Inc.

Allison Moody

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FAX 714/684-9738

P.O. BOX 432
RIVERSIDE, CA 92502

03/26/92

To: Enseco
7440 Lincoln Wy
Garden Grove, CA 92641
Attn: Sylvia Fowler

Lab No.	**920325-166**
Invoice No.	**80785**

Sample Marked:
Clayton Env./39314.Q1
Stoody MW-4
Lab #G-9208415-004
Liquid

Submitted	Sampled
RH 03/25/92 12:00	03/24/92

Chain of Custody on file: Y

Parameter Name	Results	Parameter Name	Results
MBAS	0.07 mg/L		

Date analysis completed: 03/25/92

Notes:

cc:

Edward S. Babcock & Sons, Inc.

Allison Mack

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P.O. BOX 432
RIVERSIDE, CA 92502

03/26/92

To: **Enseco**
7440 Lincoln Wy
Garden Grove, CA 92641
Attn: Sylvia Fowler

Lab No.	**920325-167**
Invoice No.	**80785**

Sample Marked:
Clayton Env./39314.Q1
Stoody MW-5
Lab #G-9208415-005
Liquid

Submitted	Sampled
RH 03/25/92 12:00	03/24/92

Chain of Custody on file: Y

Parameter Name	Results	Parameter Name	Results
MBAS	0.07 mg/L		

Date analysis completed: 03/25/92

Notes:

cc:

Edward S. Babcock & Sons, Inc.

Allison Mack

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P.O. BOX 432
RIVERSIDE, CA 92502

March 26, 1992

Batch Quality Assurance Summary
Level I

For: **Enseco CRL**
7440 Lincoln Way
Garden Grove, CA 92641
ATTN: Sylvia Fowler

Batch quality assurance summary for samples submitted on 03/25/92 with ESB laboratory ID No(s) 920325-163 thru 167.

Sample Description: Clayton Env./39314.Q1 Stoody
Enseco Lab No. G-9208415.

All concentrations are in mg/L unless otherwise noted.

Ref ID	Analyte	Analyst/ Batchdate	Blk	Sa.	Dup	RPD	%Rec LCS	Batch QC Acceptance Ranges	
	Hardness		---	---	---	---	---	97-103	(LCS)
	TDS		---	---	---	---	---	90-110	(LCS)
	TSS		xxx	---	---	---	xxx	0-20	(RPD)
	BOD		---	---	---	---	---	80-120	(LCS)
	Ash		xxx	---	---	---	xxx	0-10	(RPD)
	Chloride		---	---	---	---	---	97-103	(LCS)
	TOC		---	---	---	---	---	90-110	(LCS)
	Color		xxx	xxx	xxx	xxx	xxx	xxxxxx	

Ref ID	Analyte	Analyst/ Batchdate	BLK	% Rec MS	% Rec MSD	RPD	%Rec LCS	Batch QC Acceptance Ranges	
	COD		xxx	---	---	---	---	97-104	(LCS)
920323-915	MBAS	SE03/25/92	0.04	88	94	6.5	95	92-104	(LCS)
	Iodide		---	---	---	---	---	80-120	(LCS)

Respectfully submitted,

Sean H. Jenkins
QA Manager

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ESTABLISHED 1906

714/684-1881
FAX 714/684-9738

P.O. BOX 432
RIVERSIDE, CA 92502

March 26, 1992

Analytical Methods List

Analysis	Method
Chemical Oxygen Demand	APHA 508B
Color	EPA 110.2
Hardness	EPA 130.2
Total Filterable Residue	EPA 160.1
Total Suspended Residue	EPA 160.2
Biochemical Oxygen Demand	EPA 405.1
Methylene Blue Active Substances	EPA 425.1
Dissolved Oxygen	EPA 360.2
Total Non-Volatile Solids	APHA 209D
Chloride	EPA 325.3
Iodide	EPA 345.1

Method References:

EPA: EPA 600/4-79-020 Methods for Chemical Analysis of Water and Wastes.

APHA: Standard Methods, APHA/AWWA, 16th edition.

Enseco
A Corning Company

☐ 7440 Lincoln Way, Garden Grove, CA 92641, (714) 898-6370
☐ 2810 Bunsen Ave., Unit A Ventura, CA 93003, (805) 650-0546
☐ 2325 Skyway Dr., Unit K, Santa Maria, CA 93455, (805) 922-2776
☐ 9537 Telstar Ave., Unit 118, El Monte, CA 91731, (818) 442-8400
☐ Mobile Labs, (800) ENSECO-8

CHAIN OF CUSTODY RECORD

Date 3/24/92 Page 1 of 1

Lab Number 9208415

CLIENT Clayton

ADDRESS

Jacoby # 39314.01

PROJECT NAME

CONTRACT / PURCHASE ORDER / QUOTE #

PROJECT MANAGER

Andrus

PHONE NUMBER

229-4806

SITE CONTACT

ANALYSES

Sample No. / Identification	Date	Time	Lab Sample Number	SAMPLE TYPE LIQ.	AIR	SOLID	No. of Containers	180.1	418.1	524.2	Gen. Minerals				Sample Condition/ REMARKS
MW-1	3/24	AM		X			8	X	X	X	X				
MW-2	"	"		X			8	X	X	X	X				
MW-3	"	"		X			8	X	X	X	X				
MW-4	"	"		X			8	X	X	X	X				
MW-5	"	"		X			8	X	X	X	X				
F.B.	"	"		X			2			X	~~X~~				

SAMPLERS: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Received by: (Signature) Date Time

Received by: (Signature) Date Time

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Enseco Terms and Conditions, unless a contract or purchase order has been executed and is cited above.

Date 3/24/92 Time 1:45PM Received for Laboratory by: Uruna

Date 3/24/92 RECEIVED Time 1:45 PM

Date ACCEPTED Time

Method of Shipment:

Special Instructions:

7 day max T.A.T on 524.2

SAMPLE DISPOSITION:

1. Storage time requested: _____ days
(Samples will be stored for 30 days without additional charges; thereafter storage charges will be billed at the published rates.)

2. Sample to be returned to client: Y N
(Enseco will dispose of unreturned samples at no extra charge. Disposal will be by incineration wherever possible; otherwise, as appropriate, according to legal requirements.)

ENS—1145

DISTRIBUTION: White with report, Yellow to Enseco, Pink to Courier, Gold to Sample Control